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GLADIOLUS FANCIER'S GUIDE BOOK 1950



including

Valleevue

Test Garden Report
of 1949 Gladiolus Trials

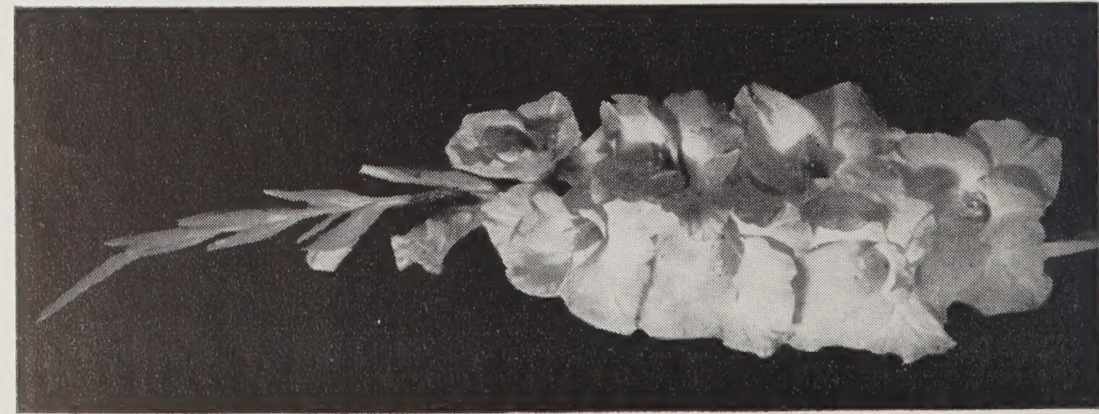
Conducted by

Biological Field Station of
Western Reserve University

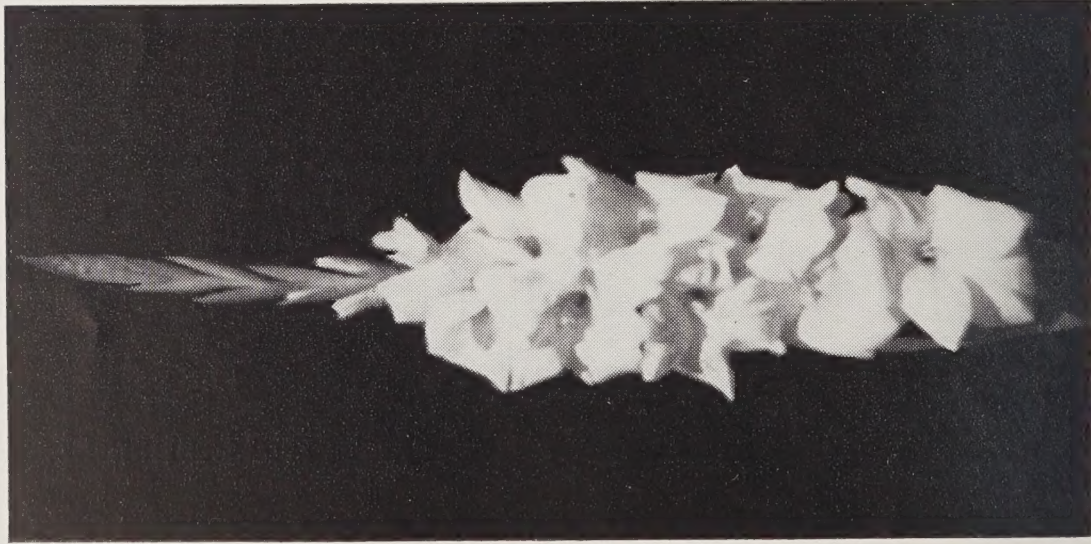
and

Garden Center of Greater Cleveland

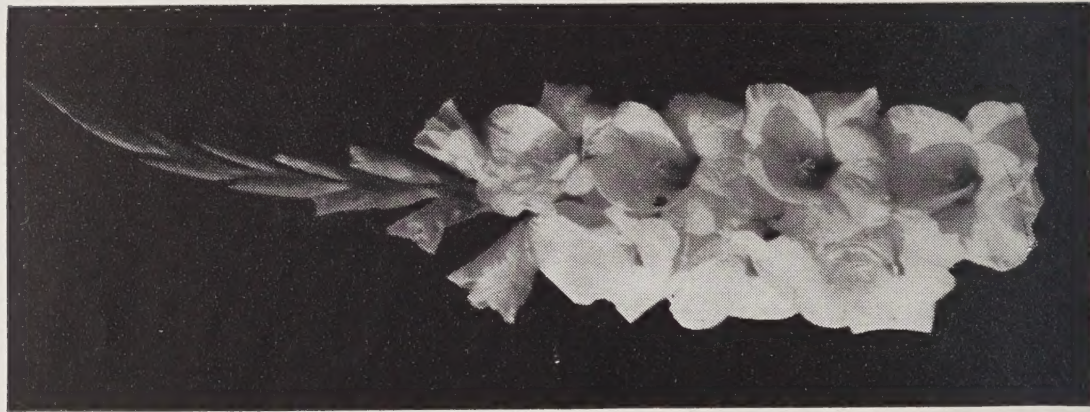
HERBERT O. EVANS ❖ SOLON, OHIO



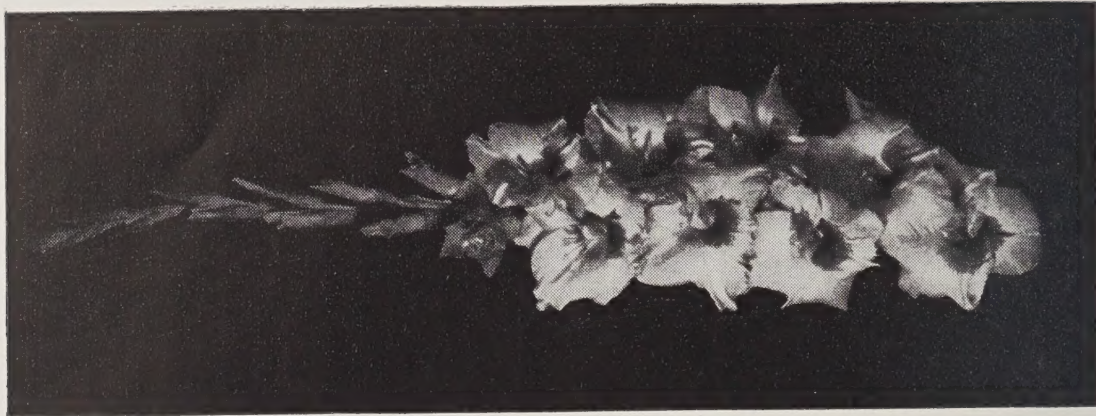
TIVOLI



STRATHNAVER



WORLD BEATER



PACTOLUS

INTRODUCTORY

A GAIN, this booklet is planned for you. It adopts your point of view. It gives you hitherto unpublished facts upon which to base your own conclusions. It is not cluttered up with fictitious values.

This is our 22nd annual catalog.

Undoubtedly you want others to admire your flowers, since appreciation of the general quality of your glads by your friends is gratifying. Our greatest effort is expended to eliminate your spending time on inferior sorts. To accomplish this we do not restrict our data to our own offerings and the more you read in this Guidebook the more you will be convinced that here is a little "instruction course" on Gladiolus with an irreducible minimum of bias.

For further valuable current literature on gladiolus, the one outstanding bargain is obtainable only through the Ohio State Gladiolus Society, the only society offering a four-way combination membership including The Canadian Gladiolus Society, the New England Gladiolus Society and the North American Gladiolus Council, all for \$5.25 . . . a \$7.50 value. Past experience relating to early exhaustion of the Year Book dictates the warning that acceptance of this offer should be made before the end of February. For more complete information see our "Society Page" page 38 hereof. Note the special Michigan Society offer.

Our business is growing by leaps and bounds. Our ability to answer correspondence on relatively unessential subjects has almost reached the vanishing point. We pack our booklet with many pages of answers to many questions we get nevertheless. Every question vital to the selection and growing of good glads we think we have already answered somewhere in this booklet.

However, we will not allow the business to reach the stage, all too common, where the proprietor no longer is able to personally inspect the outgoing stocks for complete freedom from injurious insects and bulb diseases. Our past customers know what quality of bulbs they will get. Our reputation for sound bulbs is more than national. Our reputation for offering only the very best varieties to be found around the world is equally broad. We plan to keep it that way.

Horticultural costs have gone up and will go higher. Paper and printing and cartons, too. Likewise postage and express costs.

A grower-cataloger of bulbs has certain inescapable costs: planting stock, use of land, its preparation, planting, cultivating, digging, hauling, curing, clean-

ing, grading, storage quarters, fumigating or other processes to combat insects and bulb diseases, advertising of one form or another, catalogs, postage, packing and shipping. There may be additional items of overhead such as clerical, irrigation, spraying, etc.

We do not issue a fall list and we do not solicit "pre-catalog" orders. Most of them require later revision because of abandoned varieties and price reductions. We do recommend that you place your order soon after receipt of this Guidebook to avoid, in so far as it is possible, the disappointment of sold out items.

Variety descriptions are vital to a cataloger's reputation. Yet the average cataloger, for the most part, copies the originator's description and trusts to luck. We think we try out but "junk" without listing more varieties than any cataloger in America. Most catalogers use their selling facilities to get rid of their "bad investments." The more varieties a cataloger lists, the easier it is to "cash out" a variety that has proved a disappointment to him. A variety has around thirty different characteristics to consider, relating to form, color, size, height, strength, substance, season, bulb health, propagation, etc. No cataloger can spare the time and space to describe them all, but we can and do report a glad's most interesting features and you may definitely assume, in the absence of specific mention of some undesirable traits, to the best of our knowledge and belief, **the traits or habits not specifically mentioned are above the "satisfactory" level.**

A large part of the information supplied annually in our Guide Book is primarily directed to other commercial growers and catalogers, who constitute about 70% of our total customers who obtain grower units of the newest varieties in sizes, amounts and price outlay of their own choosing. From such we meet no arguments about wholesale rates because they understand that either the new item has no lower wholesale rate or know we satisfactorily plus value the item to extent our stocks permit.

Over the years we have built up an enviable reputation for generous filling of orders by medium of overcount, over-size, samples of new sorts to try, free bulbs for society memberships, free memberships and color charts, etc.

We appreciate receiving a portion of your bulb purchases. We do not necessarily solicit it all. By inducing you to seek society literature we deliberately put you in contact with the advertising of our "fiercest competitors"—Elmer Gove, Carl Salbach, Paul Baker, Arthur Arenius, Alfred Moses and a host of other long time friends in the industry.

CONFERENCES

The fifth International Conference meeting of the North American Gladiolus Council will be held January 19-22, 1950 at the Chalfonte-Haddon Hall Hotel at Atlantic City, N. J.

The Michigan Gladiolus Society and the Short Course department of Michigan State College at East Lansing again sponsor a grower's conference, open to amateurs, February 24-25, 1950.

Lectures, discussions, color slides, banquet, bulb auction, etc. The lectures will be on bulb and plant diseases, insecticides, fertilizers, weed control, tools, trial grounds, judging, etc., by state and federal horticulturists, entomologists and pathologists.

THE OHIO ANNUAL EXHIBITION, 1950

The Ohio state show, again at the wonderful Higbee Co., Auditorium on Cleveland's Public Square. Under same roof the R. R. Terminal Tower, the Cleveland Hotel and the Terminal Garage (largest in the world). Monday and Tuesday, August 28 and 29, 1950. No other shows scheduled to interfere with your coming. The world's quality show as well as one of the largest.

THE CHAGRIN FALLS (Ohio) SHOW

Conducted by the Chagrin Valley Men's Garden Club. At High School Gymnasium, Chagrin Falls, Ohio, on State Route 422 about 20 miles east of downtown Cleveland. Saturday and Sunday, September 2-3, 1950.

Ohio society participation, both in exhibiting and judging.

THE OHIO RECENT INTRODUCTION AND SEEDLING SHOW AT NEW LOCATION

Note the new location. At the Valleevue Farm where the Test Garden is located. Seven tenths of a mile east of State Route 91 on Fairmount Blvd. (About 2 miles north of intersection of 91 and US 422). (Our farm is 2 miles south of the same intersection, on 91). The date is Sunday, September 10, 1950. The facilities for show purposes are far superior to those at our farm. For picnicing, as well (bring your own basket). Full access to the Test Garden, where for instance, will be found all the projected 1951 K & M varieties, etc.

COLOR AND SIZE CLASSIFICATION

The color separations as used by the New England Gladiolus Society, coupled with reference to the "Fischer" Color Chart and the size and color classification of a 1944 national gladiolus conference adopted by the North American Gladiolus

Council in 1946 and now used by most of the 40 or more gladiolus societies in the U. S. merit your attention. We brief them here because it will enable you to understand our show and symposium tabulations and enable you to make judicious use of our method of cataloging varieties in their own color groups where the variety descriptions and prices may be readily compared. Our catalogs for a full twenty-two years have offered their varieties by color groups. This brief will also give you a rather complete understanding of any gladiolus show you may visit in the U. S.

Over the years we have participated in the development of these systems and with standards for scoring, five years while executive chairman of the American Gladiolus Society, five more as executive chairman of the Ohio State Gladiolus Society and this is our seventh year on the National Classification Committee and one year for the Valleevue Test Garden.

SIZES

Giant	500 series	5½ inches and up
Small	400 series	4½ to 5½
Medium	300 series	above 3¼ to 4½
Large	200 series	2½ through 3¼
Miniature	100 series	under 2½

Thus the first digit of the 3 digit number indicates the size range of the floret of the gladiolus in question.

COLOR SEPARATIONS

These are the 2nd and 3rd digits of the 3 digit numbers. The first of these represents the color group. The second denotes the depth of color within the group. If the color is without conspicuous marking this last number will be even. If the color has conspicuous marking the next higher odd number will be used. The color variations refer to the revised Fischer Color Chart which is further mentioned on our "Society" pages at the end of our catalog.

00 White	00 (without conspicuous marking)
	01 (with, etc.)
	06 paler than Y6 and GY6
10 Yellow	10 Light. (Y5-6)
	12 Deep. (Y2-3-4)
	16 (0Y6, Y06 and paler)
20 Orange	20 Light. (05-6, Y05 and paler)
	22 Deep. (0Y2-3-4, Y03-4, 02-3-4-5)
	24 Red O. (R02-3)
30 Salmon	30 Light. (R05-6 and paler)
	32 Deep. (0R5-6, R04)
36 Scarlet	36 (0R3-4)
40 Pink	40 Light. (R6 and paler)
	42 Deep. (R5)

50 Red	50 Light.	(R4)
	52 Deep.	(R3)
60 Rose	54 Black.	(R1-2, 0R1-2)
	60 Light.	(Nearest R5, trace of V)
	62 Deep.	(Nearest R3, trace of V)
66 Lavender	66	(VR3-4-5-6, RV3-4-5-6)
70 Purple	70	(RV1-2, VR1-2)
76 Violet	76 Light.	(V4-5-6, BV4-5-6)
	78 Deep.	(V1-2-3, BV1-2-3)
80 Smoky	80	Containing gray. (Can subdivide)
	82	(Orange smoky)
	83	(Salmon smoky)
	84	(Pink smoky)
	85	(Red smoky)
	86	(Lavender or rose smoky)
90 Any other color.		(mostly brown shades)

Glads now readily fall into place. The giant, unmarked white Snow Cruiser is 500. Boldface 533 being a giant deep salmon and blotched. Kittyhawk 366 being a medium sized lavender, etc.

CANDID

The greater part of our 1950 prices are approximately half of those of 1949.

We have close-up Kodachromes of 200 or more recent introductions of very high color fidelity, we believe the finest size-able collection of recents extant. These may be borrowed free of any charges for winter gladiolus society meetings.

We ask our regular customers to read our variety descriptions from year to year. They are not static "originator's descriptions." We keep them up-to-the-minute in light of additional growing experience and other facts collected from world-wide sources.

After selling items 2-3 years (Tivoli, Mid-America and Salman's Glory are examples), type space devoted to a variety must reduce. So, if you have waited several years for price reductions or the corroboration of other catalogers before getting interested to purchase, let us suggest you refer back to our earlier catalogs for more complete descriptions.

The most vigorous growers in our list (able to make 5-6 ft. blooming plants from number 5 small bulbs: Mid-America, Strathnaver, General Eisenhower, Orchid Giant and Evangeline. Closely followed by Joe Stalin, Mighty Monarch, Boldface and Grand Monarch.

Among the 20 odd newcomers to our 1950 offerings—the most outstanding, those most surely, in our opinion, to stand the test of time: Polynesie and Silcherlied.

Most spectacularly, yet harmoniously blotched: Boldface, Carnival, Dutch Master, Pactolus, Salman's Glory.

Top Color Ratings (over 90): 96 Strathnaver, 95 Luxury, 94 Calvary, 93 Firebrand, Silcherlied and Swing. 92 Boldface, Bouton d'Or, Circe, Gray Summit, Hugh Price, Salman's Glory and White Christmas. 91 Mrs. E. Both, Necia, New York, Silver Wings, Stralia, Tivoli and Tunia's Delight.

25 candidates for the world's best 25 glads (on 1949 performance): Boldface, Circe, Conn. Yankee, Dieppe, Evangeline, Firebrand, General Eisenhower, Helen of Troy, Hugh Price, Leading Lady, Luxury, Menelik, Mid-America, Pactolus, Polynesie, Salman's Glory, Silcherlied, Stralia, Strathnaver, Sunspot, Tivoli, Tunia's Delight, Tunia's Mahomet, Tunia's Masterpiece and World Beater. No doubt, a few years from now as values establish, you may get quite a kick out of comparing the above list with a number of amateur symposiums currently found in gladiolus society literature and national garden magazines.

As orders come in we keep a running inventory of sales vs. stocks, in order to be aware when a size or a variety is sold out. About May 1st we abandon this safeguard because of press of shipping work and preparation for our own plantings. On these late orders it is often difficult to know offhand if an item will hold out to the order number until reached.

It takes substantial money, time, travel, field and show study and wide knowledge of current offerings and ability to correctly assess their characteristics of growth and color harmony to separate the "sheep" from the "goats". The satisfaction we get in thus assisting the industry and our customers in the wise spending of their money for new material transcends our modest monetary gain and keeps us issuing new Guide Books.

"Let me first tell you that I think your catalog is a masterpiece. I don't suppose that any of us, who have come to look forward for it each year, realize the vast amount of headaches involved in collecting and tabulating the data. To me it is an important part of the Glad cycle each year and is sincerely appreciated." D. W. M., Bradford, Pa.

FROM 1949 SHOW REPORTS

BINGHAMTON N. Y. INTERNATIONAL: "Winner of the most merit awards in the seedling division was H. O. Evans." (including the Van Cott Jeweler Trophy for the 530 seedling named Luxury and firsts in other divisions on Salman's Masterpiece, New York, World Beater, Polynesie, Calvary, Tivoli, Ravel, Solid, Luxury, Wedgewood, Havelock.

WIS. (Two Rivers): "Boldface was grand champion."

TRI STATE (Wellsville, Ohio): "H. O. Evans scored most points in the Recent Introduction division, with firsts on Golden Favorite, Solid, Kittyhawk, Helen Eaken, Henri de Greeve, Radjah, Record, Personality, Mrs. R. G. Errey, Grand Monarch; also won a down under medal on Kittyhawk.

A spike of Tivoli, entered by Dr. Pease of Chardon was best R. I., Color Champion and Grand Champion."

W. VA. (Wheeling): "In Recent Introductions H. O. Evans won the sweepstakes and N.E.G.S. Silver Medal with 12 blue ribbons." (Devotion, Hugh Price, Polynesie, Circe, Boldface, Havelock, Cotillion, Redowa, General Eisenhower, Sincerity, Kittyhawk and Salman's Glory).

N. W. OHIO (Toledo): "In R. I. Evans won with Boldface, Polynesie, Tivoli, Velvet Dream, Perpetuum, Havelock, Wahoo, General Eisenhower and Grand Monarch. Also American Home Achievement Medal with his beautiful giant orange pink seedling named Luxury."

OHIO STATE (Cleveland): "Evans' commercial display (about 60 x 10 ft.) was unique in that it was made up largely of Australian, European and Canadian varieties of late importation, properly labeled. In cooperation with the Higbee Co. Mr. Evans decorated the stage with large arrangements, the largest having a rainbow of colors, a sweep of over 7 feet and containing 175 spikes. Evans held top honors in the commercial arrangement division and was awarded the N.A.G.C. for most points in classes available to a commercial grower, also the Wood Trophy for the best handle basket in the show.

"Evans had champion seedling on a lavender miniature (can you imagine that!) winning the Evans Seedling Trophy, N.E.G.S. Silver Medal (for

highest scoring 3 spike seedling (86), Award of Merit, American Home Achievement Medal (waived because we are not ready to name or release it) and a R.H.S. color chart."

OHIO (Chagrin Falls): "Evans won with Abu Hassan (also sec. champ), Tunia's Wizard (also largest floret, 7¼ inches), Boldface, Solid, Circe, Helen Eaken, Flying Fortress, Lavender Dream, Mrs. R. G. Errey, Grand Monarch, Aljechin, DeGrysaard."

"Evans arranged an excellent display of Recent Introductions, including many of the better foreign originations."

OHIO (Solon): "As usual, visitors were given the "run" of the Evans gardens where many fine varieties from Australia and Europe as well as Canada and the U. S. were growing, at that season mostly from smaller corms, but many making wonderful spikes. Evans had also prepared a fine display of the newer varieties and the house contained many fine arrangements. His winning R.I. entries included Prof. Goudriaan, Maurrie Trevan, Sparks, Watermelon, Havelock and Mid-America, the latter also for largest floret 7½ inches."

OHIO (East Liverpool): "Evans won with Boldface, Mid-America, Mighty Monarch, Maurrie Trevan, Havelock, Mrs. M. J. White, Jeanette White, General Eisenhower, Frohsinn, Tunia's Masterpiece and Mrs. R. G. Errey."

PA. STATE (Grove City): "Evans' firsts included Kittyhawk, a sec. champ. Stralia, Personality, Mighty Monarch, Salman's Glory, Henry de Greeve, Ace of Hearts, Sincerity, Benj. Britten and Ravel. Also 3 special premium awards for seedlings, including his Luxury and Butt's Purple seedling, both for 1951 introduction."

NOTE: Just when we thought the N.A.G.C. was willing and capable of giving us henceforth a full and complete show report tabulation, we abandoned our annual tabulation of winners in favor of carrying the Valleevue Test Garden Report. Now we discover the committee got tired in the midst of the job and gave us a very incomplete report, making three types of arbitrary omissions to suit their convenience and seemingly forgetting that the Council has a classification index and the grouped sizes could be separated.

Also, with nothing like the 45 reports they had available, we ran a test on Boldface on 20 shows. They came up with 10 firsts in 45 shows while we discovered 26 first in 20 shows.

Reading that they had combined 23 with 22, etc., we ran a test on Circe (523 in '49 classification) on just 6 shows, all of them with high light reports in September or December Bulletins and we feel warranted in belief that the data was obtained from detailed published reports issued on those shows—Binghamton, N. Y.—Ind. State at Wabash—W. Va. State at Wheeling—N. W. Ohio at Toledo—Chagrin Falls, Ohio—Purdue, Ind. These are hardly insignificant parlor shows, arbitrarily unworthy of inclusion in the tabulation.

Reporting on 45 shows, their 522 lists 2 winners only, Atlantic at 5 and Glamorous at 4. Circe not mentioned. However, in reports on the 6 above named shows, we find that Circe was a winner in R. I. at Binghamton, a winner at Purdue, a winner in R. I. at Wabash, a winner in R. I. and Open at Wheeling, a winner at Chagrin Falls, Ohio, a winner in both Open and R. I. at Toledo where it was also sec. and division champ (Best R.I.), also Grand Champion. Eight firsts and 3 special awards and not mentioned in the "Winning Show Varieties" tabulation.

On Polynesie, 430, in open and R.I. sections we found reported 2 winners at Binghamton, 2 at Wheeling, 1 each at Toledo, Pittsburgh and Tri-State at Wellsville. Seven winners with none in the tabulation, though other varieties with only 4 and 3 firsts were included. Etc.

SIZE OF BULB TO BUY

If economy be the aim, do not rely on small bulbs to give wholly satisfactory blooms. The small bulbs will all bloom but medium bulbs almost always give far better than "medium" sized spikes of the given variety. Our descriptions usually indicate whether or not the variety is an exceptionally fine producer of blooms from the smaller sizes.

Commercially, bulbs are graded into 6 sizes. Size 6 is under $\frac{1}{2}$ inch diameter and other sizes range up to every $\frac{1}{4}$ inch, the number 1 bulb being $1\frac{1}{2}$ inch up. Catalogs commonly offer bulbs as L (large) (sizes 1 and 2) ($1\frac{1}{4}$ inch up); M (medium) (sizes 3 and 4) ($\frac{3}{4}$ to $1\frac{1}{4}$ inch); S (small) (sizes 5 and 6) ($\frac{1}{4}$ to $\frac{3}{4}$ inch) and Blts. (bulblets, the little hard shelled cormels which cling at the roots of the bulb).

The size (bulk) of bulb you purchase determines the amount of food with which you are starting to produce a given spike.

TERMS OF SALE

Cash with order.

Delivery after April 1st (normal beginning of mild weather hereabouts) prepaid in U. S.

NOTE: Bulb deliveries requested and made before April 1st will go post paid or express, transportation charges Collect, at our option, governed largely by weather and package size. Express charges vary with weight of parcel and distance, of course, but we would estimate the average cost of the average parcel will be roughly around \$1.00. If sent Express Collect we will, of course, add stock of value to exceed the express charges.

Replacement or refund purchase price any bulb, root, plant or seed that does not prove true to name or does not arrive in condition herein represented. Bulblet and seed germination are not guaranteed.

No substitutions will be made.

Orders received until planting but subject to stock being unsold. To get proper propagation of new sorts, it does not pay us to hold for further sale bulbs and blts priced only per each beyond May 1st. Order early. Our selling season is very short.

BULBS: 6 may be ordered at 5 times the single price. 12 bulbs at 10 times single price. 25 bulbs at hundred rate if such is given, otherwise at twice the dozen rate.

BULBLETS: Any amount at the rate offered.

Please be mindful that, under present conditions, items under about 25c are filled at a loss.

Delivery prepaid to foreign countries in the Postal Union having the usual 14c per pound rate, provided war restrictions of one kind or another does not bar such delivery except that purchases at 100 rate prices should add at rate 50c per 100 for large bulbs and 20c per 100 for medium sized bulbs.

Notice to Canadian Customers

Apply to the Division of Plant Protection, Science Service, Ottawa, Ontario, Canada for permit and mailing label, for bulbs and bulblets. No permit required for seeds.

"While in Customs getting the lot of bulbs from you I met our Canadian Inspector and he told me that the lot I was in for (your shipment) was as fine a lot as he had ever examined and every corm a perfect one in being absolutely free from defect, thrips or disease of any kind. That was getting real value for my money, particularly in view of the fact that your overcount and extras more than made up for the exchange, duty and express incurred."
J. W. McL., Ottawa, Ont.

1949 REPORT VALLEEVEUE TEST GARDEN

INTRODUCTION

The Biological Field Station of Western Reserve University and the Garden Center of Greater Cleveland present the first of what is hoped to be a series of published reports dealing with gardening problems. This report covers the work of the test garden for 1949 and records the results of previous work done on the testing of gladiolus in relation to classification and valuation. Gladiolus alone were chosen for the introductory test garden report because Mr. Thomas Manley, who is in charge of this program, handled the work which had previously been done in this field and has accumulated a large collection of material which was used in the plantings at Squire Valleeveue Farm. Gladiolus represent a group of plants where extensive studies could be made during the growing season and present material for a complete report within one year.

It is hoped that the study may expand into other important horticultural groups, such as herbs, bulbs, and perhaps annuals which are not now being tested and rated in other programs. It is the intention of the committee in charge to cooperate fully with other organizations in this field and to make available dependable and authoritative findings for the purpose of bringing about high standards in the field of American Horticulture.

Franklin J. Bacon, Ph. D.

GLADIOLUS TEST GARDEN

The Gladiolus Test Garden, now in its seventh year under the supervision of Thomas R. Manley, was originally located at Morris Park, Fairmont, West Virginia, 1939-1942 and at Oglebay Park, Wheeling, West Virginia, 1947-1948. As a part of a broad testing program developed in Cleveland, it forms the substantial part of this report.

Since the North American Gladiolus Council and New England Gladiolus Society maintain facilities for the testing and selection of seedlings, we do not solicit seedlings for trial unless stocks are already substantial and their introduction is assured, unless found to be undesirable as a result of a testing in the trial garden. Our facilities are to test new varieties about to be placed on the market, not to rogue seedlings for hybridizers.

We are aware of the large number of varieties being propagated in Holland, Australia and New Zealand for eventual introduction in the American market. So large is this number that we have found it necessary to issue a quota to each hybridizer and limit the number of new varieties tested from outside North America to 200 per year. We welcome new varieties from American and Canadian hybridizers.

The test garden gives each variety a two-year test; those proving superior receive further testing; those receiving low ratings are discarded. Cormels from corns grown in the test garden are sent to the United States Department of Agriculture, Plant Industry Station, where they are subjected to various disease resistance tests. Varieties showing high resistance to disease are further tested by the Department of Agriculture in Florida.

The test garden is located near the well known commercial test plots of Mr. Herbert O. Evans where many varieties of foreign origin are being propagated for introduction. This report comprises observations in both gardens where our checks and his, separately recorded, were made on each variety. A striking similarity between ratings and performance was observed when this data was correlated by our test committee.

From data collected during the past five years of testing the following observations were made: that due to the hot, dry spring and summer with temperatures frequently reaching 110° all varieties are lacking in total bud count, often as many as 8 to 10 buds; stem length was 10 to 15 inches short and considerable feathering was observed on varieties heretofore noted for clean color. The muggy, humid fall induced not only further feathering but excessive peeling of color in many varieties, especially dark colors.

The test garden is open to the public and special meetings are held during the season, two by the Ohio State Gladiolus Society and one by the Garden Center. Blooms from the test garden were exhibited in 11 gladiolus shows in six states in 1949.

A test garden performance record of each variety is kept on permanent file in the Garden Center. This record includes data on growth, vigor, color and awards won by that variety while grown in the test garden. Copies of our test garden record will be used by several of our Dutch hybridizers this coming season to record the performance of their seedlings prior to sending them to the trial garden.

From this data and our own, we hope to study the variances in growth in America and in Holland.

Any hybridizer may enter varieties in the test garden. Requirements are: 6 large, 6 medium corms and 25 cormels for U.S.D.A. tests to be sent to Thomas R. Manley, Garden Center of Greater Cleveland, East Boulevard at Euclid, Cleveland 6, Ohio. Shipments should be made from March 15 to April 15 in order that the proper care and planning be maintained. We urge hybridizers of miniatures to send entries as we did not receive any miniatures for trial in 1949.

GLADIOLUS RATINGS 1949

Gladiolus in the test garden are rated as to their all around performance by an alphabetical letter as AA—Superior; A—Excellent; B—Good; C—Fair; and D—Poor. This rating is based on plant vigor, color value of bloom, conformation of spike, propagation based on cormel production, disease resistance and general value of the variety in commerce. Varieties receiving B or higher, and lower if showing unusual resistance to disease, are recommended for further propagation. Many varieties receiving low ratings, especially those from Holland, may be discarded by the originator. Thus many of these will not reach the trade.

The numerical rating, as 89, indicates the color value of the flower. This rating is derived from a study of the basic color of the floret, throat or petal markings, color harmony, substance in regard to fading, peeling, and flecking, and resistance to or freedom from mild mosaic which causes feathering.

Gladiolus with good clean color, harmonious blending of lines and other conspicuous markings are worthy of high ratings, 90+ (Excellent), minor color faults 85 to 90 (Good), 80 to 85 Fair and poor color less than 80.

Data presented for each variety in order of listing: Variety name or number, source or hybridizer, year of introduction in North America, (abbreviation N. I. if not introduced), season of bloom, color and size classification number based on the North American Gladiolus Council's standards, substantial color description based on British Royal Horticultural Society Color Chart, color rating, general performance rating and number of years grown in the test garden. Example: Name, BOLDFACE; Source, Evans; Year of introduction in North America, '47; season of bloom, M; Classification 533; Description, Very deep clean salmon pink with spectacular white throat brushed deep red; Color rating 92; Over-all rating AA; years on trial, 3.

Terms and abbreviations used in varietal descriptions will be found on last page of the bulletin.

AA—SUPERIOR

BOLDFACE Evans '47 M-533. Very deep, clean salmon pink with spectacular white throat brushed deep red. 92 AA 3

CIRCE K&M '49 E-523. Clean russet orange, small red throat mark surrounded creamy yellow. 92 AA 2

HUGH PRICE Both '48 LM-416. Clear buff blending into a yellow throat. Ruffled. 92 AA 2

MENELIK Salman N.I. LM-554. Clean black red with a rosy tinge blending deeper at base of petals. 90 AA 1

POLYNESIE K&M '50 M-430. Lively pure salmon. Deeper than Picardy. A few soft scarlet lines in throat. 90 AA 2

SALMAN'S GLORY Salman '47 E-507. Pure light cream paling to white at petal edge and shading to strong yellow to a large, solid, spectacular throat of carmine. No flecking or feathering of color. 92 AA 3

STRALIA Both '47 M-416. Clear salmony buff, well ruffled. 91 AA 2

TIVOLI K&M '47 LM-460. Clear light salmony-rose pink blending into a clean lighter throat. 91 AA 4

A-EXCELLENT

ALJECHIN K&M N.I. EM-470. Glistening purple with deeper brownish purple in throat. 83 A 1

ANNIE AMELIA Both '49 M-410. Clean light yellow, slightly ruffled. Round florets, consistently of inverted type. 90 A 3

ARISTOCRAT Salman '50 M-462. Purplish wine red, paling slightly to an almost blue edge about 1/8 inch wide. 89 A 1

ARTHUR RANK Visser N.I. E-440. Light shell pink with faint buff suffusion. 89 A 1

BENJAMIN BRITTEN K&M '49 E-370. Lavender toned light purple. In the throat a slight brush on cream overlaid salmon. 87 A 2

CHERBOURG Salman '47 EM-462. Vivid, clean, deep purplish carmine-rose. 86 A 2

COTILLION Butt '48 M-443. Deep pink with prominent cream throat, many open. 85 A 4

EIGHTH ARMY Salman '49 LM-452. Reddish brown self. 85 A 2

EVANGELINE Palmer '48 LM-560. Pale light rose, with creamy yellow throat. 86 A 3

GENERAL EISENHOWER Salman '48 M-560. Immense, tall straight spikes of medium light rose. Might be termed bright hydrangea pink. 83 A 3

GRAY SUMMIT Butt '50 E-486. Very clean smooth gray with equally clean creamy white throat.. 92 A 3

LUXURY Evans N.I. M-530. Very large, unmarked, light orange pink. Creamy blend on lip petal. 95 A 1

MARSHALL MONTGOMERY Salman '48 M-554. Clean, warm, velvety maroon red. 90 A 3

MID-AMERICA Knierim '47 M-550. Bright light red, unmarked. Immense, tall, straight spikes. 90 A 3

MORNING KISS Hulsebosch '48 LM-500. Clean white, very faintly blushed and has a small, inconspicuous, deep pink brush deep in the throat. Tall, straight spikes. 85 A 3

NECIA Both '49 M-443. Deep pink with prominent cyclamen blotch. 87 A 4

NEW YORK Salman N.I. E-554. Very deep carmine red, somewhat deeper than blood red. 91 A 1

PACTOLUS K&M '47 E-417. Colors are strong and bright. Deep apricot-cream with prominent orange red marks on lower petals. 89 A 3

PROF. GOUDRIAAN K&M '50 EM-506. Very light clean cream approaching white. Throat deeper cream with very faint violet brush. Vigorous. 90 A 1

PURE GOLD Burns '49 E-412. Medium yellow self. 90 A 1

RAVEL K&M '47 E-477. Medium-blue violet with reddish brown throat mark. 84 A 4

SKY HIGH Both N.I. M-312. Clear deep yellow, long heads with many buds, opening 10 in field 90 A 2

STAINED GLASS Burns '49 M-370. Clean purple self. 89 A 1

STRATHNAVER Peattie '47 M-500. Very pure, unmarked dead white. Immense tall spikes, attachment of lower floret or two found to be only slightly weak in but a very small percent of a large planting. 96 A 3

SUNSPOT Roberts '45 M-417. Light apricot buff with rose spot in throat. 88 A 3

TUNIA'S ARISTOCRAT Both '49 M-585. Blendings of lilac, brown, fawn, orange and pink overlaid smoke and a cerise throat mark. Giant florets on strong, straight stems. 86 A 2

TWINKLES Butt '48 E-232. Deep orange salmon, red markings on deep yellow throat. Ruffled miniature. 86 A 2

WHITE GODDESS Roberts '48 EM-500. Ruffled white self. 88 A 2

WHITE WINGS Errey '48 M-500. Soft, clean creamy white. Floret ribbing, ruffling, recurving and flat lend beauty of form. 86 A 2

WORLD BEATER Pfitzer '49 M-411. Clear medium light yellow of excellent color value with prominent red throat mark. 90 A 2

B—GOOD

AD REM K&M N.I. M-406. Cream, slightly tan, cherry brush on yellow. 84 B 1

ALFRED NOBEL Salman N.I. LM-461. Light rose doree with explosion blotch of cream on lower lip, mid-rib cream on all petals. 80 B 1

ANCASTER FAIR Glass '49 M-530. Apricot pink definitely peach-orange toned under artificial light. Color feathers in very hot spells. 85 B 1

ANIMATION Butt '47 LM-550. Medium-light red, small cream throat lines. 85 B 3

ANN STRALIA BOTH Both '47 M-430. Clean, delicate salmon shading imperceptibly to clean golden yellow. 89 B 3

ANZACS Both '49 LM-500. Large clean white. 89 B 2

ARC DE TRIOMPHE J Frans '50 LM-410. light straw yellow with faint violet line on deeper yellow throat. Sport of Bloemfontein. 86 B 1

BEAUTY'S BLUSH Fischer '47 E-440. Pale creamy blush, very slight violet tinge, white throat. 89 B 1

BEERSHEBA K&M '49 M-406. Clear, greenish cream turning to milky white. 86 B 2

BELLE JAUNE K&M '48 VE-312. Medium-deep yellow. 85 B 2

BINGHAMTON Salman N.I. L-354. Very deep red, long flower heads. 85 B 2

BLUE BOY Butt '48 M-476. Medium deep blue violet, deeper marks. 83 B 3

BOUTON d'OR Huslebosch '50 EM-412. On RHS chart, canary yellow 2. On Ridgeway, Lemon Chrome IV-21 More intense yellow than any yellow on Fischer chart. Clear deep yellow, many open, uniform spikes. Ruffled 92 B 1

CALVARY Salman N.I. M-400. Dead white with very light violet brush almost invisible at anthesis of floret, deepening with age. 94 B 1

CASWALLOWN K&M N.I. E-362. Deep cherry rose red, close to deep current red. 87 B 2

CHIEF PONTIAC Snyder '48 M-524. Orange scarlet blending deeper scarlet in throat. 86 B 1

C. ROBERTS Both '49 M-452. Orange toned cerise red with a purplish blend into throat. 87 B 2

DEVOTION K&M '50 VE-311. Clear medium-deep primrose yellow with harmonizing red splash in throat with narrow deeper red line on strong yellow lip. Ruffled. 88 B 1

DINOS K&M N.I. VE-470. Clean reddish purple, bit lighter in upper throat. 90 B 2

DR. PRYOR Burns '49 L-551. Clean, light red close to salmony scarlet, throat cream marked red. Cream line on mid-ribs. Vigorous plants. 85 B 2

DUTCH MASTER Salman '50 LM-501. Creamy white deepening to deep cream in throat. Carmine brush with definite carmine line on lip petal. 89 B 1

DYNAMO Salman '50 LM-536. Pastel scarlet, deeper on lip, lighter on upper, pales a bit at edges. 88 B 1

EXTASE de Bruyn N.I. E-560. Between peach and light orchid rose, wide Picardy type scratches in throat. 83 B 1

FAY Both '49 M-416. Tannish buff. Yellow throat. Ruffled. 88 B 2

FIRE GLEAM Jack '49 EM-436. Deep scarlet, creamy lines. 84 B 1

FOLKLORE Butt '49 E-466. Medium deep rosy lavender, creamy white throat. 86 B 3

FRANZ HALS Salman N.I. M-490. Metallic copper red, feathered deep brown on edge of petals. Carmine line ending in a light yellow mark in base of lip petal. 82 B 1

FREEDOM Fischer '49 E-401. Creamy white, conspicuous rose red mark. Ruffled. 84-B 1

FRIENDSHIP Fischer '49 E-442. Medium deep pink, cream throat. 85 B 1

GENERAL PATTON Visser N.I. LM-350. Glowing velvet red, feathered deeper red at edge of petal, dark red dart in throat. 87 B 1

GOLDEN FAVORITE Salman '48 E-512. Clean golden yellow, throat deeper. 85 B 2

GOLDEN OPHELIA Jensen '48 M-412. Deep yellow self, attractive form. 89 B 3

GOLD RUSH K&M N.I. M-312. Clean, medium-deep golden yellow, slightly deeper throat. 89 B 1

HARRY GRANT Blom '49 E-450. Medium light red, cream lines. 82 B 2

HEARTS DESIRE Puerner '48 M-540. Ruffled creamy pink blending to cream throat. 86 B 1

HELEN EAKEN K&M '48 E-406. Clean cream with a green shine on lower petals that remains constant. 87 B 3

HUAHINA K&M '49 EM-323. Deep orange suffused with yellow, peppered in throat with salmon scarlet. Older florets fade to light orange. 85 B 1

JOE WAGENAAR K&M '49 M-452. Rich, clean, deep red, narrow white line in throat. 86 B 2

LA FAVORITE K&M '50 E-336. Light apricot scarlet self. 87 B 1

LANCELOT Snyder '49 M-410. Clear light yellow with deeper yellow throat. 87 B 1

LA PALOMA Salman N.I. M-406. Frosty cream with deep cream throat and lip petal. 84 B 1

LAVENDER DREAM de Goede '48 M-466. Clean cattleya rose violet with creamy marks. 90 B 2

LILY WHITE White '47 M-400. Creamy white blending into deeper cream throat. Pinks to blush white as opens. 83 B 3

LOUIS MAYER Salman '49 M-422. Deep russet orange. 85 B 2

LOURDES Salman N.I. M-300. White with pale cream line on lower lip petal, slight dusting of violet deep in throat. 86 B 1

MEISTERSINGER Pfitzer N.I. M-316. Clean amber buff, ruffled. 86 B 2

NIELS BOHR Salman N.I. LM-436. Scarlet with slight feathering of deep scarlet. Dark red dart on lip petal ending with cream. 84 B 1

OCTOBER SUNSHINE Quackenbush '47 M-420. Light orange blending into yellow throat. 86 B 1

PEERLESS PINK Visser N.I. E-440. Pure medium pink self. 89 B 1

PERPETUUM K&M N.I. M-400. Very pure white. Faint blue pencil on lip petals. 90 B 1

POPPY DAY Visser N.I. EM-536. Scarlet with deep scarlet blotch. Midribs prominent and white. 85 B 1

POPULAR Salman N.I. M-436. Velvety, clean russet orange scarlet. Lip petals deeper, each with one creamy pencil. Faint whitish hairline edging. 87 B 1

PRESIDENT TRUMAN Salman '48 L-440. Blush shell pink tinting lighter into throat. 89 B 2

PROF. PICARD Salman N.I. LM-578. Deep violet with black violet throat. 89 B 1

RADJAH Salman N.I. L-462. Rose red blending deeper in throat. Light rose violet midribs. 84 B 1

RECORD K&M '50 M-410. Pastel finished, creamy yellow, three or four very faint pepper marks on deeper yellow throat. Round florets. 86 B 1

REDOWA Butt '48 M-552. Velvety medium-deep red, narrow deeper red line on lip petal. 84 B 2

RIALGAR Errey '48 M-416. Golden apricot blending into chrome yellow, through ribs into throat. 85 B 2

ROYAL PINK Salman N.I. M-543. Deep pink with cream throat peppered with rose purple. Prominent lighter colored midribs. 85 B 1

ROYAL PINK Visser N.I. M-533. Deep salmon with cream throat. Typical Picardy scratch on blotch. 85 B 1

SABU Visser N.I. EM-462. Deep rose red blending to deep red violet in throat. 87 B 1

SEQUIN Palmer '49 E-410. Medium deep yellow, clear. 88 B 1

SNOW MAID Cave '48 EM-400. Pure white. 90 B 2

THOMAS E. DEWEY Visser N.I. M-552. Velvet red with prominent pencil line on each lip petal. Throat deep black red. 87 B 1

TUNIA'S WIZARD Both '48 M-582. Smoky coral orange, lighter and rosier into throat, except lip petal is scarlet, lightly brushed deeper. 8¾" florets from No. 4 bulbs. 84 B 2

TUNIS Coombs N.I. M-430. Medium deep golden salmon, greenish yellow throat, clean colors. 86 B 2

VELVET DREAM Salman '50 M-570. Velvety brownish garnet, a deep shade of violet red purple. Silvery hair line edging. 87 B 1

VICTORY DAY Salman N.I. E-536. Soft scarlet with deep scarlet line in throat, faint hair line edge. 87 B 1

VREDE K&M '48 M-400. Pure white including buds. Tiny violet mark deep in throat. Form and placement give elegance. 90 B 2

W. H. HOSMER Hatch '49 M-466. Medium deep rosy lavender, feathered lighter. Deeper peppering on creamy throat. 83 B 1

WHITE STANDARD de Bruyn N.I. M-400. Clean white with lilac lines on lower petals. 82 B 1

WINSTON CHURCHILL Salman N.I. M-452. Medium red blending darker red at base of petals. 86 B 1

YELLOW MARVEL de Bruyn N.I. M-412. Medium-deep golden yellow blending deeper into throat. 90 B 1

C-FAIR

ALBERT E. BLAKE Salman N.I. E-562. Deep rose red with deeper rose red diffusion blotch. Feathering along edge of petals. 80 C 1

ALICE ADAMS Briggs '48 LM-442. Geranium Lake with creamy white throat. 82 C 1

ANKARA Salman '47 M-454. Deep garnet red self. 83 C 3

ANNA VIRGINIA Salman N.I. E-567. Purplish orchid, prominent black-rose-red mark on yellow in throat. 78 C 1

ANTHONY FOKKER K&M N.I. M-533. Reddish orangy salmon, pink brush on cream throat. 78 C 2

APPASIONATA K&M N.I. M-501. Clean, dead "blue white" with deep violet darts ½ inch wide in throat. Attachment somewhat unsatisfactory. 86 C 2

ATLANTIC Blom '48 M-432. Salmon orange, cream line on scarlet throat. 80 C 3

BAGATELLE K&M N.I. E-431. Clean, medium light reddish apricot salmon with light scarlet brush on yellow throat. White midribs. 85 C 1

BANDOENG Salman N.I. E-362. Deep rose red self excepting white midrib of petals and few scratches on throat. 79 C 1

BERNARD SHAW K&M N.I. M-540. Clear medium pink, carmine feathering, 80 C 3

BLAIR MARGUERITE Both '49 M-432. Feathered salmon pink. White midribs. 84 C 3

BLIZZARD Salman N.I. E-300. Pure white self. 82 C 1

BLUE DOMINO Pfitzer N.I. E-376. Medium-light blue violet, feathered. Upper throat lighter, lower marked deep violet dart ending into cream point. 80 C 2

BO-PEEP Butt '48 E-240. Creamy buff pink, yellow throat peppered red. 82 C 2

BRUNO WALTER Salman N.I. E-467. Buffy lavender with buff blotch overblotched with deep rose. 80 C 1

BUFFALO Visser N.I. E-452. Deep red with large red blotch. 75 C 1

CONSTANTINE K&M N.I. E-361. Very pale carmine rose (deeper than Tivoli). Prominent clean cream throat and midribs. 85 C 1

DANNY Cave '48 M-430. LaFrance pink with white lip, slightly ruffled. 82 C 1

DORIS HANCOCK Both '49 M-442. Soft light carmine pink, heavily flaked deeper on outer edges and throat peppered red. 76 C 2

EASTER PARADE Briggs M-400. Clean white self. 87 C 1

ELAN de Bruyn N.I. M-430. Creamy light salmon, faint peppering on deeper throat, slight flecking to edges. 75 C 1

ELMER DAVIS Salman N.I. EM-570. Magenta red violet with scratchy cream throat. 80 C 1

GOLDEN GATE Visser N.I. VE-410. Light yellow with small carmine blotch. 76 C 1

GRACE MOORE Salman '48 E-507. Light cream shading thru pale blush into a large, irregularly defined, orange scarlet throat. 83 C 2

HANNY SCHAFT Salman N.I. L-537. Orange scarlet, feathered deeper, orange red pepper on cream throat. Has a slight over-all etching. 78 C 2

HAWAII Salman '49 EM-490. Reddish brown with deep red throat which diffuses into the lower petals. 81 C 1

HENRI DE GREEVE K&M '49 L-423. Pastel salmon orange with carmine marks on ochre throat. 84 C 2

JAVA Salman '48 LM-512. Medium-deep yellow. 85 C 2

JEANNETTE WHITE Both '49 M-431. Medium-light salmon pink, feathered. Cyclamen mark on cream throat. 82 C 2

JOHN RAFFLES Visser N.I. M-490. Yellow suffused with brown. Suffusion is less in throat which appears more yellow. 79 C 1

KARDINAL MINDSZENTY Salman N.I. M-470. Light rhodamine purple with faint white line on lip petal. 82 C 1

KATHLEEN SUTHERLAND Both '49 L-312. Golden yellow prim, ruffled. 86 C 2

KING OF THE BLACKS Salman '49 M-354. Deep black red self. 84 C 1

KLONDIKE Snyder '48 E-412. Deep golden yellow self. 86 C 1

LAVA K&M N.I. M-336. Bright scarlet. 85 C 1

LEOPOLD STOKOWSKI Salman '47 441. White suffused deep pink, deep cherry blotch. 80 C 4

LIBANON K&M N.I. LM-461. Pinkish orchid, bit salmony in throat to a cherry mark on cream. 70 C 1

LIBRETTO K&M N.I. E-476. Light blue violet feathered lighter in throat. 76 C 2

LILAC TIME Visser '49 L-467. Bluish lilac violet, feathered. Deeper in throat. 80 C 2

LORD NELSON Salman N.I. E-412. Deep yellow with faint red dusting on throat. 82 C 1

LUNA PARK Salman N.I. EM-490. Rosy brown with scarlet throat extending over most of lip petal. 83 C 1

MARIE ZAMORA Salman N.I. E-506. Cream with deep cream throat dusted violet. 86 C 2

MARSDEN N. Burn '48 LM-532. Orangy salmon, considerable dark flecking at edges. Short plants. 75 C 2

MEKKA Salman N.I. E-300. White with pink tinge deepening toward edge of petals. 86 C 1

MEMORIAL DAY Salman '49 M-570. Deep reddish violet, feathered lighter, white pencils on lower petals, some brown on cream deep in throat. 83 C 1

MISS ELLEN MOORE Salman '49 E-417. Buff yellow with explosion blotch of red-orange spreading to all petals. 82 C 1

MONTANA Visser N.I. VE-433. Salmon pink fading to pink, cherry red over blotch on yellow lip petal. 75 C 1

MONT BLANC Salman N.I. EM-400. Clean, pure white. Slight hooding. Slight pinking of florets allowed to age in field. Young large bulbs inclined to split. 86 C 1

MOUNT TACOMA Salman N.I. E-406. Cream blending deep in throat. Faint purple line in throat. 81 C 1

MRS. E. S. JENSEN Jensen N.I. E-430. Soft salmon, steel gray edging. Sulphur yellow throat peppered salmon 82 C 2

MRS. R. G. ERREY Errey '48 M-554. Velvety red, very deep, faintly marked deeper. Some crooked stems. 86 C 2

NOVA Salman N.I. EM-400. Creamy white with deep cream throat. Pale rose feathering on outer petal edge. 84 C 1

OSTRICH FEATHER Pfitzer N.I. M-540. Light peach, deeper than blush white, with pinkish red scratches on salmon base in throat. Florets lacinated, ruffled, pointed. 82 C 2

PFITZER'S WUNDERKIND Pfitzer N.I. M-411. Creamy yellow, prominent scarlet throat markings. 82 C 2

PRINCESS MARGARET Burns '49 M-466. Light lavender pink, deep rose and cream dart in center of lip petal. 85 C 1

POINCIANA Snyder '48 EM-552. Rose red with deeper rose red throat. 85 C 1

REQUIEM Pfitzer N.I. E-432. Golden orange salmon, clean deep yellow throat. 86 C 2

ROBINSON Salman N.I. M-436. Scarlet with creamy yellow peppering in throat. 82 C 1

ROMANCE K&M N.I. E-433. Deep salmon, prominent yellow throat. 82 C 1

ROOSEVELT'S MEMORY Salman '48 LM-500. Ivory white to creamy throat splashed by light rose pink marks. 82 C 2

ROSY DAWN Burns '49 M-460. Light rose with deep cherry throat. Midrib prominent cherry red. 80 C 1

ROYAL OPERA Salman N.I. LM-562. Medium deep rose with cream penciling on lip petal. 82 C 1

RUMBA Salman N.I. E-454. Deep rose red blending black red on lip petal. Creamy white line in throat. Faint hair-line edge. 80 C 1

SALMAN'S MASTERPIECE Salman N.I. LM-550. Light madder red, rose red midrib, hair-line edging. 85 C 1

SAN MARINO K&M N.I. M-333. Deep salmon pink with bluish darker feathering, throat red on yellow. 82 C 1

SCARLET PERFECTION Visser N.I. M-436. Deep salmon with scarlet throat, prominent salmon midribs. 80 C 1

SERENADE K&M N.I. L-440. Medium pink blending into white throat. Deeper on reverse. 86 C 1

SHIRLEY BRIGGS Briggs '48 M-442. Medium pink with large cream throat. 80 C 1

SHOOTING STAR Visser N.I. E-436. Scarlet with cream peppering deep in throat that does not detract from the bloom. 80 C 1

ST. EMILLION de Bruyn N.I. LM-470. Deep royal purple. 85 C 1

SUNDANCE Almey '49 M-412. Medium deep yellow. 85 C 1

SWING K&M '50 E-400. Very pure white. Very faint cream on midrib. Drop in over-all rating based almost entirely on attachment below satisfactory level. 93 C 1

TEL AVIV Visser N.I. E-440. Pale pink with rose pink blotch. 85 C 1

TOBRUK Pfitzer '49 M-454. Very deep velvety black red. Buds even more black. 90 C 1

UTAH Visser N.I. E-476. Smooth light blue violet blending to a medium violet throat. 87 C 1

WALT DISNEY Salman N.I. E-411. Light yellow with large carmine brush on medium yellow lip petal. 87 C 1

WHITE CHRISTMAS Fischer '48 M-500. Well ruffled pure white, faintly cream in throat. Some spikes faintly tinted lavender and placement erratic. 90 C 1

YELLOW SPECIAL Visser N.I. E-310. Deep primrose yellow with brown line on lip petal. 81 C 1

D—POOR

APRIL C. M. Evans '48 M-430. Pale peach that crooks and fades. 75 D 3

ARLPAS Visser N.I. E-400. White with a creamy throat bordered violet. Occasional rose pink feathering on floret. 82 D 1

ARTIST Salman N.I. E-490. Color via etching of medium bluish violet on cream base, throat toned salmon. 75 D 1

ARUBA Salman N.I. M-536. Scarlet, deepening in the throat and lower lip petals. Midribs lighten to appear as rose. 75 D 1

BACCHUS Salman N.I. EM-470. Rose purple with faint hair-line edge. Color blends to lavender in throat and at the base. Lip petal deeper rose purple. 75 D 1

CHARLESTON K&M N.I. M-431. Medium salmon, metallic sheen, red orange brush ending in small yellow dart in throat. 78 D 1

DE GRISAARD Hock '48 M-490. Color via etching of greyish orange salmon on a creamy salmon base. 65 D 2

FIRERIDER Pfitzer '48 L-436. Clean orangy vermilion scarlet. Florets semi-upright. 85 D 3

INDIAN SUMMER Langworthy '48 M-480. Dusty reddish violet with deep red feather on lip petal. 75 D 3

KARDINAL DE JONG Salman '49 M-562. Deep rose maroon with deep rose red throat. White flecks indiscriminately appear throughout the floret. 81 D 1

KEITH Pratt '49 LM-490. Bronze metallic tones heavily feathered copper to edges. Carmine throat. Florets hood, cup and are not well attached. 75 D 2

LILAC PRINCE Visser N.I. M-466. Lavender suffused with buffy salmon, deep rose purple blotch edged buff. 78 D 1

LIMBURGIA Buggenum N.I. 452. Deep red, carmine throat, considerable feathering. 76 D 2

LOUIS PASTEUR Salman N.I. E-570. Purple deepening in throat. 86 D 1

MARY ODELL Cave '48 M-400. Temperamental white. 87 D 3

MEYERBEER Salman N.I. M-462. Medium rose with hair-line edge. Throat rose violet with scratchy line of cream. 77 D 1

MIRABELLA K&M N.I. E-367. Lavender, feathered. Purple brush on cream throat. 78 D 1

NEW DEAL Salman N.I. E-432. Deep dull salmon, close to scarlet, throat deeper. White midrib pencil. 83 D 1

PASSION Salman N.I. M-470. Red purple with hair-line edge. 78 D 1

QUEEN OF THE NIGHT Salman N.I. M-354. Deep black red, prominent midribs of light color. Faint white lines in throat. 77 D 1



CIRCE

ROBERT KOCH Salman N.I. EM-562. Deep rose with irregular peppering of cream on a deeper rose red throat. 78 D 1

SISTER E. O'CALLAGHAN Both '49 M-450. Bright salmony red blending via etching into white throat. Some fading in hot sun. 78 D 2

WEENEN Salman N.I. M-462. Rose red with violet rose blotch on a scratchy cream dart. 79 D 1

WHITE VIRGIN Visser N.I. Fusarium rot destroyed all bulbs prior to bloom.

WILL ROGERS Visser N.I. M-440. Pale pink, feathered deeper pink with deep pink lines in throat. 77 D 1

BARBARA SCOTT Salman '48 M-500. Will include in 1950 report if unauthorized name is changed.

VARIETIES PREVIOUSLY TESTED

Varieties tested in previous years are listed as a matter of record. These varieties are no longer grown in the test garden. Some are listed in catalogs, however the stock of most of these varieties has been destroyed by the propagator due to inferior qualities observed in the

test garden. Foreign catalogs may list some of these varieties, however those receiving C or D are not recommended for growth in North America. Varietal data is listed as follows: variety, originator, color classification, over-all rating for 1947 and 1948.

Abu Hassan	K&M	378	A	B
Adinda	B&P	411	C	C
Agnita	B&P	436	C	D
Alaska	Sal	400	C	D
Albino	Sal	400	C	C
Alpenklokken	K&M	400	C	C
Ankara	Sal	454	A	B
Berolina	K&M	552	A	B
Better Times	K&M	376	B	C
Biedermier	K&M	441	D	D
Bloemfontein	K&M	430	C	D
Braga	K&M	454	C	D
Bretagne	Vis	440	B	D
Candy	Vis	321	B	B
Consolor	K&M	476	B	C
Danzig	K&M	442	C	D
David Teniers	Gru	411	D	D
Delicate	Gru	401	C	C
Dirk Bouts	Gru	560	C	C
Dr. Fleming	Sal	442	C	C
Dr. Van Dobben				
de Bruyn	Sal	500	C	C
Else Poulsen	Gru	442	D	D
Eldorado	K&M	312	B	D
Fire Dome	Gru	452	C	C
Firework	Vis	452	C	D
Frans Verwilt	Gru	410	C	D
Freischuz	K&M	333	D	D
Furioso	K&M	452	D	D
Gallipoli	Sal	552	C	D
Gen. Hommerson	Vis	430	C	D
Glory of Noordwyk	Alk	400	C	D
de Goede's Triumph	Vis	427	C	C
Golden Show	Sal	410	D	D
Goldfinch	K&M	410	B	A
Grenadier	Sal	436	D	D
Harry Hopkins	Sal	454	A	B
Hedy Lemarre	Vis	466	B	C
Henri Dunant	K&M	450	C	D
High Life	K&M	376	C	C
Hokus Pokus	K&M	213	C	D
Hollands Glory	K&M	441	C	D
Hollywood	Sal	430	B	C
Hopmans Glory	Hop	410	C	D
Jeannette	K&M	360	C	D
Johanesburg	Vis	530	C	D
Johann Strauss	Sal	452	C	C
Johan Von				
Konyenburg	K&M	436	B	C
June Bells	Goede	400	C	C
Lady Killer	K&M	321	C	C+
Landola	Vis	420	C	D
Leeuwenhorst	Sal	560	D	D
Majuba	Sal	452	D	D
Manou	K&M	411	C	D
Marie Antoinette	K&M	431	D	D
Marie Theresa	K&M	401	C	C
Maxim Gorki	K&M	452	D	D
Modena	Vis	540	C	C

Modern Times	Sal	436	D	D
Montevideo	Sal	462	C	C
Musio Clementi	VT	376	A	B
New Amsterdam	K&M	452	B	C
New Europe	B&P	436	C	C
Nova Zembla	K&M	400	B	C
Oberbayern	K&M	379	C	C
Odette Sansom	Sal	401	C	C
Olga Tsechova	K&M	416	B	C
Ostara	Vis	476	C	D
Pacific	Sal	450	D	D
Parade	Sal	443	B	B
Paul Baudry	Gru	416	D	D
Paul Rubens	Sal	470	B	C
Pax	Sal	401	C	C
Pierino Gamba	Sal	470	C	C
Princess Irene	Sal	443	D	D
Poussin	Sal	452	C	C
Puccini	Sal	466	C	D
Rossini	Sal	432	A	C
Salmonette	Gru	430	C	C
Saskia	Sal	420	C	C
Scarlet Admiral	Alk	452	C	C
Schneeflocke	K&M	500	B	B
Sigrid Unsett	K&M	424	D	D
Silentium	K&M	301	B	B
Silver Gull	K&M	476	C	C
Simon Leegwater	Gru	436	C	C
Skymaster	Sal	540	C	C
Sophia	K&M	442	D	D
St. Pancreas	Vis	352	D	D
Sweetheart	Alk	441	C	D
Sweet Harmony	K&M	540	C	D
Sweet Seventeen	B&P	540	C	D
Tenor	Gru	443	D	D
Theeroos	Vis	422	B	C
Thriller	K&M	442	D	B
Tindal	Vis	452	D	D
Torkana	K&M	354	B	C
Toreadore	Sal	552	C	C
Topscore	Kooy	452	C	D
Torso	Vis	422	C	C
UHU	K&M	480	A	C
Uncle Tom	Sal	454	B	B
Vincent Van Gogh	V-W	436	D	D
Violet Beauty	K&M	470	C	C
Vrona	Vis	427	C	D
Wagner's Rhinegold	K&M	411	C	C
Wedgewood	K&M	478	B	B
Wiener Blut	K&M	350	D	D
Wunschelrute	K&M	311	C	B
Yellow Herald	K&M	411	B	C

Abbreviations of Hybridizers	
Alk—Alkemade	Sal—Salman
B&P—Blom &	
Padding	V T—Van Til
Gru—Grullemans	V-W—Van Waveren
K&M—Konynen-	
burg & Mark	Vis—Visser

CURVULARIA SUSCEPTIBILITY TESTS

Gladiolus disease resistance tests (curvularia) are conducted at the Plant Industry Station of the United States Department of Agriculture, Beltsville, Maryland. Those responsible for this testing program are S. L. Emsweller¹, Philip Brierley², W. D. McClellan³ and R. L. Pryor³. Varieties listed in Part I of this report will be innoculated in 1950 and included as part of the regular report.

Dr. Emsweller informs us that a two year disease resistance test to curvularia is necessary to ascertain whether varieties are resistant to this fungus. Observations at Beltsville reveal that certain varieties have a susceptibility in the small plant stage, growth from cormels, but a resistance in larger plants from large corms. In some other varieties the reverse is true. This necessitates a two year test which will be reported in the 1950 bulletin of the test garden.

The following varieties grown from cormels were innoculated with curvularia lunata (wakker) Boedijn on August 25, 1949:

SEVERE CURVULARIA INFECTION

Badger Beauty	Crackerjack	Lois	Spindrift
Big Top	Daphne	Personality	Spitfire
Bit o'Heaven	Eighth Army	Picardy	Summer Gal
Bridesmaid	Expanse	Silver Sword	Thriller
Butterscotch	Lipstick	Sir Galahad	Tunesia
			W. R. Reader

MILD CURVULARIA INFECTION

Bronze King	Gay Lally	Morning Kiss	Silentium
Chantilly	Golden State	Nadia	Storm Cloud
Colonial Maid	Gracie Allen	Persian Beauty	Strathnaver
Connecticut Yankee	Gray Dawn	Phantom Beauty	Sunlight
Debutante	Lady Jane	Purple Supreme	Sunspot
Debonair	Mansoer	Ravel	Topflight
Dr. F. E. Bennett	Margraten	Ruby	
Fair Angel	Maxwelton	Salmans Glory	

NO INFECTION OBSERVED

American Beauty	Harry Hopkins	Miss Wisconsin	Snow Baby
Blue Lagoon	Jays Joy	Musio Clementi	Spic and Span
Cararra	Lady Boo	O. M. Brown	Spotlight
Carnival	Lady Eve	Oriental Pearl	Stoplight
Consolor	Lancaster	Pacifica	Susquehanna
Dainty Miss	Lavender and Gold	Pastel	Tarawa
Daisy Mae	Legionaire	Paul Rubens	Titan
Dieppe	Lily White	Rampart	Topscore
Dragons Blood	Lovelace	Redowa	Trocadero
Drum Major	Loveliness	Reliant	Twenty Grand
Eldorado	Margaret Barrett	Rose Charm	Twilight
Firebrand	Marimba	Rosette	Uncle Tom
General Eisenhower	Mid-America	Siboney	War Paint
Golden Ophelia	Mighty Monarch	Silver Gull	White Butterfly

1. Principal Horticulturist

2. Senior Pathologist

3. Pathologists

All members of Division of Fruit and Vegetable Crops and Diseases, Bureau Plant Industry, Soils and Agricultural Engineering, Agricultural Research Administration, United States Department of Agriculture, Beltsville, Maryland.

TERMS AND ABBREVIATIONS

FLORET COLOR DESCRIPTIVE

TERMS:

BLOTCH—A conspicuous mark usually restricted to the throat or lower petal.

DART—Arrow-like mark in the throat or lower petal.

FADING—Bleaching of color usually caused by intense heat, high humid-

ity or to intercellular break-down due to age of the floret.

FEATHERING—Irregular sweeps of a deeper shade of the color or hue, usually quite variable in shape and in intensity. It is caused by the epistatic effect of mild mosaic present in practically all gladiolus varieties. Hot, humid weather tends to increase this condition.

FLECKING—Irregularly sized and shaped marks on the floret, usually appearing as colorless marks.

HAIR-LINE EDGE—Lightening or intensifying of color on the margin of the floret giving a halo effect.

LINE—A narrow band or bands of color running parallel to the midrib, usually on the lip petals.

MIDRIB LINE—Thinning or lightening of color on the midrib giving the effect of a line of lighter color.

PEPPERING—Dots of color varying from the ground color, usually restricted to the throat or lip petal.

PICARDY BRUSH—A brush or sweep of a color other than the ground color on lower petals, restricted to the throat area. Typical of the color pattern of Picardy which seems to be carried as a dominant factor to its progeny.

SELF—A single color throughout the entire floret.

SHADING—Deepening of the basic color.

SMOKY—An intermixture of gray with one or more given colors.

SUNBURN—Scorching or complete desiccation of tissue usually restricted to the margin of the floret.

TINTING—Lightening or paling of color.

TONE—The dominant color of the floret.

FLORET PLACEMENT:

FORMAL—Double row arrangement of florets, variable, determined by the growth of the internodes. Some varieties appear formal more frequently than informal.

INFORMAL—Irregular arrangement of florets appearing alternately on the spike.

STEPLADDER—One floret placed above the other one, in a single row.

FLORET FORMS—Plain, ruffled, lacinated (edges irregularly cut), pointed and recurved (curling back).

FLORET SHAPES OR TYPES—

Round, Triangular—Self explanatory.

Double Lipped—Florets having markings on two petals which form the lips.

Single Lipped—Lower center petal on top of the other two lower petals. Also called inverted type.

Hooded—Top petal drooping forward.

SEASON OF BLOOM

This date is based on large corms planted in April and May in Ohio. Corms planted later will bloom quicker due to warmer soil and air temperatures also to advanced development of the corm once the dormant period is broken.

VE—very early; less than 65 days

E—early; 65-75 days

EM—early midseason; 75-85 days

M—midseason; 85-95 days

LM—late midseason; 95-100 days

L—late; 100+ days

GLADIOLUS TEST GARDEN COMMITTEES AND JUDGES

Appointed by

THE OHIO STATE GLADIOLUS SOCIETY

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SUPERVISION OF VALLEEVIEW TEST GARDEN

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Thomas R. Manley, Horticulturist, W. R. U. and Garden Center

GROW SOME GLADIOLUS SEED

This our eleventh year of selling seed from crosses using what we consider the highest quality recent introductions and like imports often before their release for sale. Nowhere in the world has there been available any such high pedigree listing of seeds of thoroughbreds even remotely comparable to our lists, though here and there a stray cataloger has tried it for a year or two. To do so takes thoroughbred varieties both of proven and "world beater" promise, hybridizing skill, time, patience and the luck of late season freedom from light as well as heavy frosts. Our first light frost has generally been around October 11th.

All glad fans should try some gladiolus seed. Most advanced amateurs already do attempt some hybridizing with their newest varieties or most favored colors. Gladiolus seed broadcast or planted thickly in close rows, covered about $\frac{3}{4}$ inch, kept on moist side and with at least partial shade, commonly produces bulbs $\frac{1}{2}$ to $\frac{3}{4}$ inches diameter the first crop. Most of these bloom the second year and selections may be made on color values, the bulb selected and its bulblets thereafter grown under number pending full performance from a large bulb.

All modern varieties were so produced, either from field collected or hand hybridized seed. Our seed offerings are genuinely hand hybridized. Literally hundreds watched us hybridizing our glads at the peak of our blooming season.

No two seeds, even from the same cross and pod, produce flowers just alike, though they are likely to favor parent characteristics.

With about the most exclusive collection of "world beaters" to be found in the U. S., we have excellent opportunity to produce intriguing crosses, which in turn should rather consistently produce some seedlings above the average run of good standard varieties in each color class. They do for us.

The only trouble is that we are as likely as not to part with some outstanding sorts worthy of introduction as a named variety. That may be your luck. If you grow such from our seed we should like first opportunity to introduce them for you.

It might be advisable to let you know that it is the custom in the gladiolus industry that the person who grows and segregates the seedling bulb is given the credit of being the "originator" of the variety if it is named and introduced—not necessarily the person who made the actual cross. If a lot of new "originators" do not appear in four to five years as the net result of our offering these select crosses we will be greatly surprised.

Permitting seed to set decimates bulblet production. Likely we sacrifice bulblets on rare new sorts to an extent that seed sales at these prices cannot remotely compensate us for this loss. Perhaps contribution to variety improvement will be our only compensation.

Try your luck and skill in selection of parents. Depending on stocks available we will try to be very liberal. **Seeds are 3c each unless otherwise indicated.**

How to order. Order in units of 5 (minimum), 10, 15 or 20 (maximum) seeds of a given cross. The seed bearing parent is the first variety mentioned. Canadian and other foreign customers do not have to secure a permit to import seeds. Crosses are identified by number for your and our convenience. Order by number as "10 seeds of 901.....\$.30".

- 901 Ad Rem x Chagrin.
- 902 Anzacs x Orange Gold
- 903 Anzacs x Orchid Marvel.
- 904 Anzacs x Tobruk.
- 905 Aristocrat x Luxury (530) 5c.
- 906 Aureole x Circe 5c.
- 907 Benjamin Britten x Kittyhawk.
- 908 Benjamin Britten x Strathnaver.
- 909 Blue Ice x Florence Nightingale.
- 910 Blue Ice x Luxury.
- 911 Blue Ice x Mrs. M. J. White.
- 912 Boldface x Aureole.
- 913 Boldface x Boldface.
- 914 Boldface x Circe.
- 915 Boldface x Joh. v Konynenburg.
- 916 Boldface x Mighty Monarch.
- 917 Boldface x Mrs. P. Costa.

- 918 Boldface x Mrs. R. G. Errey.
- 919 Boldface x Orange Gold.
- 920 Boldface x Polynesie 5c.
- 921 Boldface x Salman's Masterpiece
- 922 Bouton d'Or x Luxury 5c.
- 923 Bouton d'Or x Sundance 5c.
- 924 Circe x Boldface.
- 925 Circe x Meistersinger.
- 926 Circe x Mighty Monarch.
- 927 Devotion x Circe.
- 928 Devotion x Pactolus.
- 929 Evangeline x Luxury 5c.
- 930 Havelock x Mrs. R. G. Errey.
- 931 Joh. v Konynenburg x Prosperity,
- 932 Joh. v Konynenburg x Strathnaver.
- 933 Luxury x Aristocrat 5c.
- 934 Luxury x Circe 5c.

Continued on next page.

935 Luxury x Tobruk 5c.
 936 Maurrie Trevan x King of Blacks 5c.
 937 Maurrie Trevan x Mighty Monarch 5c.
 938 Meistersinger x Mid America.
 939 Meistersinger x Orange Gold.
 940 Mid-America x Circe
 941 Mid-America x Grand Monarch
 942 Mid-America x Joh. v. Konynenburg.
 943 Mid-America x King of Blacks.
 944 Mighty Monarch x Mrs. R. G. Errey.
 945 Mrs. P. Costa x Snow Cruiser.
 946 Mrs. R. G. Errey x Tobruk.
 947 Orange Gold x Aureole
 948 Orange Gold x Meistersinger.
 949 Orange Gold x Sequin.
 950 Pactolus x Devotion.
 951 Pactolus x Orange Gold.
 952 Paul Rubens x Florence Nightingale.
 953 Polynesie x Luxury.
 954 Polynesie x Pactolus.
 955 Polynesie x Rialgar 5c.
 956 Polynesie x Stralia 5c.
 957 Prof. Goudriaan x Benjamin Britten.
 958 Prof. Goudriaan x Marshall Montgomery.

959 Prof. Goudriaan x Velvet Dream.
 960 Prosperity x Pres. Truman.
 961 Ravel x Ann Stralia Both.
 962 Ravel x Mrs. P. Costa.
 963 Salman's Glory x Mrs. M. J. White.
 964 Salman's Glory x Snowy River (Burns) 5c.
 965 Solid x Devotion 5c.
 966 Stralia x Meistersinger.
 967 Stralia x Orange Gold.
 968 Strathnaver x Blue Boy 5c
 969 Strathnaver x Circe 5c.
 970 Strathnaver x Dutch Master 10c.
 971 Strathnaver x Mighty Monarch 5c.
 972 Strathnaver x Tivoli 5c.
 973 Strathnaver x Velvet Dream 5c.
 974 Swing x Mrs. R. G. Errey.
 975 Tivoli x Beersheba.
 976 Tivoli x Tunia's Masterpiece 5c.
 977 Tobruk x Marshall Montgomery 5c.
 978 Tobruk x Mrs. R. G. Errey.
 979 Velvet Dream x Benjamin Britten.
 980 Velvet Dream x Mrs. R. G. Errey.
 981 Velvet Dream x Velvet Dream.

NOTE: Without preview, our 1950 introductions and import releases will be found only in their respective color series below.

NOTE: For key to Series—size and color classification, see Page 4.

WHITE—00 Series

500 ANZACS (Both '43) (our '49 import release) LM (late midseason). A tremendous, ruffled, clean white on a tall, wiry stem. Medium propagator. Has had 3 grand championships in Victoria, Australia shows.

Our rating, B (over-all) 89 (color).

Each L (large) .75 M (medium) .50

S (small) .25 Blts (Bulbets) .06
 (100, \$4) (1000, \$25.).

401 CARIBOU (Kerr '40) M. Clean white with small violet feather in throat. Consistent producer of well proportioned, tall stunning spikes with 10-12 open, 20 buds, of grand championship caliber.

Our rating, B 83.

Each L .15.

501 DUTCH MASTER (Salman '49) (our '50 import release) LM. A Salman's Glory seedling. Clean silvery, creamy white with a soft carmine spot, not large. Color harmony is more delicate than that of the bolder Salman's Glory and considerably larger, which means immense. Wide petals, 7-8 inch round florets. Should end the many year domination of Margaret Beaton in the 501 Class. Stock very limited.

Test Garden rating B 89.

Each L or M \$5.00 Blts 5, \$2.50 (units not tied to bulb purchase).

400 FLORENCE NIGHTINGALE (J. W. Harris '47) M. Clean white, shading into creamy throat. While not the chaste white of Vrede, the color is very acceptable and all of its habits appear to make it a very outstanding variety. Florets are 4½-5 inches, slightly ruffled, 8 and more easily open on flowerheads close to 30 inches long, plants 5½ feet tall, up to 21 buds. The vigorous growth, straight spikes in extremely hot weather, excellent propagation from plenty of large bulbets, practically all of which bloom into sizable spikes if given room, mark the variety as a coming popular commercial.

As we expected, this variety displaced Leading Lady for topmost honors in the last Canadian Gladiolus Soc. Symposium.

Our rating, A 84.

Each L .75 M .50 S .25 Blts (100, \$3.50)
 (1000, \$20.00) (pt., \$30.00.).

500 MORNING KISS (Hulsebosch) (our '48 import release under the name Royal White which the Dutch society decided had been used too recently). LM.

Clean, glistening, very faintly blushed white with a small, inconspicuous, deep pink brush deep in the throat. Healthy grower and prolific propagator. Holds much promise for commercial use. Has F. C. C. (first class certificate), Haarlem, '47.

Test rating, A 85.

Each L .20 Blts (100, \$1.50).

Bulbs priced per each. 12 sold at 10 rate. 6 at 5 rate. 25 at 100 rate.

Blts any amount at rate offered. Delivered Prepaid in U. S.

500 MT. KOSCIUSKO (Both) (our '47 import release) E. Purest white, no markings. Giant plants and bloom seem unstoppable. 8½-10 inch diameter depending on care given. Six foot tall even when poorly grown. Wide, round florets with individual petals 4 inches across. Florets face up a bit and do not flare out to their fullest extent, unassisted. Attachment is as good as should be expected of such a giant. This is a fast propagator so the prices are already within reach. Sec. champ. So. Australia G. S., Nov., '47, 10 inch diameter, 5 open, 25 inch flowerhead. Grand Champion, Dubbo, N.S.W., '48. 1st Pa. (Keystone, '48). Largest floret S. E. Mich., '48. Same, W. Va. and Twin City (Menominie, Mich.) '49.
Test rating, C 85.
Each L .65 M .50 S .35 Blts .06 (100, \$4) (1000, \$25.).

501 MRS. M. J. WHITE (Both) (our '47 import release) M. Gigantic pure white with a very small violet throat mark. Well grown, blooms may be had up to 10½ inches. The largest glad we have offered up to 1948. Flat, wide open florets. Placement has continued excellent, even on spikes from bulblets. Our blooms from bulblets have reached 7½ inches, 7 open. Our "largest floret," Chagrin Falls, Ohio, also at Binghamton, '48. Largest floret, East Liverpool, Ohio, Pa. State (Grove City) and Ohio State (Cleveland) 7½ inches, '49. Our rating C 80.
Any size bulb, each .50 Blts .05 (100, \$3) (1000, \$20.).

500 SNOW CRUISER (Evans '43) E. An immense super giant, with round, smooth, wide open, snow white florets of 7 inches or more, holding their size with very little diminution up the spike. 7 open is normal but it has been shown with 11. Good propagator, makes grand blooms from the smaller sizes and frequently from bulblets. Considering its immense size, the attachment of all florets with occasional exception of bottom floret is reasonably satisfactory.
Our rating, A 88.
Each L .25 M .20 Blts (100, \$1.50) (1000, \$10.).

500 STRATHNAVER (Peattie) (our '47 import release) M. This is the most sensational dead white gladiolus we have ever seen. Can easily be grown without expert care 66 inches tall, 6-7 inch florets, 9-11 wide open, pure, hard, glistening white from No. 3 medium bulbs.

In the Valleevue Test Garden tabulation we have awarded it color value the nearest to perfection of all. The spikes from small bulbs are breathtaking, truly magnificent. The plant and spike growth from small bulbs, together with that of Mid-America, is definitely in a class by itself, the foliage being heavy, 3-4 feet tall with giant spikes towering above, almost the full equal of those from medium and large bulbs. The attachment is a bit below the satisfactory level. See half page description in 1949 catalog.

Test rating A 96.

Each L .50 S .30 (no dozen rate)
Blts .05 (100, \$4) (1000, \$30.).

400 SWING (K & M) (our '50 import release) E. Very pure white. Very faint cream on midrib. If the attachment were not somewhat below the "satisfactory level" this would have an A rating, with its tall spikes with 7-8 open and other cut habits apparently very good.

Test ratings, C 93.

Each L \$4.50 M \$3.50 S \$2.50 Blts .50.

400 VREDE (Peace) (K & M) (our '48 import release) M. A Silentium seedling. A very pure white color, buds as well. Has a tiny violet mark deep in throat. 4½ inches and larger, slightly ruffled and the uniformity of well placed and spaced florets makes a group of them a sight to behold. The stem is strong and wiry. The number open, 6-8. A very healthy grower and a good propagator. We consider that it outpoints Myrna in color, spacing and health. The spikes have an arresting elegance. Excellent blooms from small bulbs.

Test ratings B 90.

Each L .30 M .20 Blts (100, \$3) (1000, \$20.).

CREAM—06 Series

406 BEERSHEBA (K & M '48) (our '49 import release) M. A beautiful creamy green, deepening in the throat, a depth of green approaching that of the old variety "Green Light." As the bloom ages, the florets change up the spike to a light cream approaching milky white. The change starts to occur about when 3 florets are fully open. The color harmony remains good, a vase of 6-12 spikes is quite a beautiful sight to behold. Vigorous grower, 6-7 open well placed, of heavy texture, and well attached to a good cutting stem.

Test ratings, B 86.

Each L .35 M .25 S .15 Blts .04 (100, \$3) (1000, \$20) (pt., \$30.).

Bulbs priced per each. 12 sold at 10 rate. 6 at 5 rate. 25 at 100 rate.

Blts any amount at rate offered. Delivered Prepaid in U. S.

507 GRACE MOORE (Salman '48) (our '48 import release) E. Very early. This is a seedling of Salman's Glory and has maintained the huge size of the latter. Pure light cream, shading through a very light blush into a dazzling orange scarlet throat. It has a wonderful spike and very long, extra strong and straight stem.

Testing rating, C 83.

Each L \$2.00 S \$1.00 Blts .20.

406 HELEN EAKEN (K & M '47) E. This elegant, clean cream has a mild green shine on the lower petals which does not fade away as the bloom ages. Four inch florets, 6-7 open, 16 buds well arranged on medium tall spikes with all growing habits from planting stock appearing to denote excellent cut flower habits. F. C. C. Haarlem.

Test ratings, B 87.

Each L \$1.00 M .60 S .40 Blts .10.

406 JOE STALIN (Both) (our '47 import release) LM We did not name it and it is not red. One of the tallest glads, over 6 feet not uncommon and one of the longest flowerheads, 33-40 inches. Can hold 12 open, 4½ inches and larger florets, perfectly round, clean cream, deepening to yellow in the throat.

Has ample power to bloom out to tip.

Our ratings, A 88.

Each L .35 M .25 S .15 Blts .03 (100, \$2) (1000, \$12.50) (pt., \$20.).

506 LEADING LADY (Johnson '42) M. There may be better glads but the world in general does not yet know it. The light cream Picardy sport which has taken the world by storm. Even our price is attractive.

Our rating AA 90.

Each L .10 Blts (100, .50.).

506 PROF. GOUDRIAAN (K & M) (our '50 import release) EM. Very light cream, approaching white. Throat deeper cream with a very faint violet brush. Medium tall spikes with 24-28 inch heads with double row placement of flat, round florets 5½-6 inches diameter, excellently attached 8 and more open, 18-22 buds, with uniformly good placement. Very vigorous grower and propagator. A fine exhibition and cut flower.

Our 1st at Solon (Ohio) show, '49, beating many excellent entries.

Test ratings, A 90.

Each M (blt grown, run mostly No. 2-3) \$2.00 Blts .20.

506 REG. LEAHY (Both '45). A somewhat greenish cream with a light peppering of purple deep in the throat. The florets are ribbed and ruffled

slightly and are round and flat. Formal, exhibition placement, well attached, stems very rigid. Medium tall. For us it is definitely a slow propagator but the spikes it can make causes us to carry on. Was grand champion at the So. Australian B. S. main show (largest in Australia) Nov. '47, with a spike carrying 6 inch florets, 7 open, 28 inch head.

Our rating, B 84.

Each L \$2.00 M \$1.50 S \$1.00 Blts .20 (100, \$15.).

507 SALMAN'S GLORY (Salman) (our '47 import release) E. The supreme beauty of the giant, blotched varieties. Pure, unflecked light cream, paling imperceptibly to white at petal edge with a spectacular, solid carmine mark surrounded with a strong yellow which blends out into the cream basic color. Early giants are uncommon, but this variety does not stop there. Superlatives apply to its color, its every trait and habit. It can well be we are discussing the world's greatest glad. Personally, we are partial to giant, blotched varieties with clean colors and good color harmony.

See half page description in 1949 catalog.

Test rating, AA 92.

Each L .12 Blts (100, .75) (1000, \$5) (pt., \$7.).

407 SINCERITY (Errey) (our '48 import release) M. "The find of the season" says J. P. Jones, Gladiolus Correspondent, Australian Garden Lover. The ground color is cream, the lower petals being a deeper cream with a soft light scarlet blotch, a striking color harmony. Florets, beautifully waved, are 4 inches or more, of good texture and can carry 10 open in full double row placement unless forced, when the spike stretches the florets a bit further apart. In either event the regularity of facing and spacing is obviously excellent. The color very refined.

Our rating, B 84.

Each L .30 M .20 Blts .03 (100, \$2) (1000, \$12) (pt., \$20.).

YELLOW—10 Series

410 ANNIE AMELIA (Both '47) '49 M. Clean light yellow, slightly ruffled. Round florets, consistently of inverted type, making a medium tall spike of good outline. Good propagator.

Test ratings, A 90.

Each, any size bulb, \$1.00 Blts (units of 10, \$1.00 not tied to bulb purchase).

Bulbs priced per each. 12 sold at 10 rate. 6 at 5 rate. 25 at 100 rate.

Blts any amount at rate offered. Delivered Prepaid in U. S.

412 BOUTON d'OR (de Bruyn) (our '50 import release) EM. On R.H.S. color chart, canary yellow 2. On Ridgeway, Lemon Chrome IV 21. More intense than any yellow on Fischer chart. Clear deep yellow, many open, uniform spikes. Ruffled.

Of the close to 30 yellow varieties we have been testing, this has the deepest color and most uniform in production of good cut spikes. The price, too low. Test ratings, B 92.

Each L .50 M .35 Blts .05 (100, \$3) (1000, \$20.).

311 DEVOTION (K & M) (our '50 import release) VE. Clear medium-deep primrose yellow with harmonizing red splash in throat with narrow deeper red line on strong yellow lip. Ruffled. Very attractive spikes, opening 10 in the field. Our firsts at Pittsburgh and Wheeling, '49.

Test ratings, B 88.

Each L or M \$1.00 Blts (units of 10 \$1.00 not tied to bulb purchase).

512 GARDEN GOLD (Rich-Evans '48) LM. Six inch florets of golden yellow, slightly deeper in throat. Color is always pure and clean. Lightly ruffled, edges frilled. Tall, long, strong spikes. Propagation medium and supply is small.

Our rating, A 85.

Each L \$4.00 M \$3.00 S \$2.00 Blts .30 (100, \$20.).

512 JAVA (Salman '47) (our '48 import release) M. Very rich and brilliant yellow of giant size holding up to 8-10 open 6 inch florets on 55-60 inch tall spike.

Small bulbs are not overly anxious to bloom but make powerful plants, good bulbs and plenty of bulblets.

Test rating, C 85.

Each L .50 M .30 Blts .05 (100, \$3.50) (1000, \$20) pt., \$30.).

410 RECORD (K & M) (our '50 import release) M. Pastel finished (soft, without glisten), creamy yellow. Three or four very faint pepper marks on deeper yellow throat. Medium tall spikes with round, flat florets 5 inches diameter, 6-7 open. Buds have rose bud form and appearance. Type varies from formal to informal with growing conditions from bud to bloom stage. Should it fail to make the grade as an exhibition glad at the shows for lack of number open it will nevertheless quickly command the cut flower reputation it plainly deserves. Its color harmony with pastels of other colors such as, for instance, Benjamin Brit-

ten, is stunning. Our 1st at Tri State (Wellsville, Ohio '49).

Test rating, B 86.

Each M (blt grown, run mostly No. 2-3) \$2.00 Blts .20.

312 SOLID (Both) (our '47 import release). EM. Pure, deep, glistening yellow, with florets of medium size a bit ruffled and fluted. The color is lively, the flowerheads stretchy, with the buds separated nicely in early stage of bloom. Attachment good and we think it has excellent commercial prospects.

Our firsts at Binghamton, Tri State and Chagrin Falls, '49.

Our rating, A 89.

Each L .75 M .50 Blts. .07 (100, \$5.)

413 SPOTLIGHT (Palmer '44) E. Clear, medium-deep golden yellow with a small feathered blotch of scarlet. Large blooms, about 6-7 open and about 18 buds. The color is extremely attractive and the plant is strong and vigorous, producing plenty of large bulblets that grow unusually well and often bloom. Rates 4th best glad, last Canadian Symposium. Opens well when cut in tight bud. Do not confuse with variety "Stoplight."

Our rating, A 85.

Each L .12 M .08 Blts (100, .50) (pt., \$4.).

411 WORLD BEATER (Weltwunder) (Pfitzer) (our '49 introduction.) M. Glistening and waxy—a clear, medium-light yellow of high color value with a red throat mark more prominent than that of Spotlight. 8-10 florets open easily on the plant in double row formation on almost bone-dry soil in very hot weather. Florets 4½ inches and larger. 20-23 buds well placed and spaced on strong, tall stems.

Three of the U.S.D.A. pathologists, visiting the Valleevue Test Garden and our plantings, studied three rows of blooms, in extremely hot weather, and openly marveled at the substance of the clear, waxy florets and their complete lack of mild virus which causes flecking and feathering of color.

This is a band wagon bargain for the cut flower man.

Test ratings, A 90.

Each L .50 M .35 (no dozen rate) Blts .10 (100, \$8) (1000, \$64.).

Bulbs priced per each. 12 sold at 10 rate. 6 at 5 rate. 25 at 100 rate.

Blts any amount at rate offered. Delivered Prepaid in U. S.

BUFF—16 Series

416 HUGH PRICE (Both '46) (our '48 import release) LM. The color is thoroughly clean. A bright buff, slightly salmon toned, blending into yellow throat. Florets all but perfectly round, about 4½ inches and larger. To their beauty of color is added beauty of form, being well ruffled and ribbed. Makes grand spikes with 8-10 open in full double row placement.

As our stock increases from a small start, so also our experience and ability to appraise. We do not hesitate to classify this variety well within the limits of the world's most beautifully colored glads. Its round floret shape and perfect spike outline, together with the ribbing and ruffling and its shining, bright, clean color mark it surely for "knockout" classification. So far we consider it flawless in every respect.

In a four-way tie for top rating by the test garden.

Test ratings, AA 92.

Each L \$1.25 M .75 S .50 Blts .10 (100, \$7.50) (1000, \$50.).

516 KAWATIRI (Pupich) M. A giant, rich creamy buff blending into a light yellow throat not far from silvery white. The edges of the petals are slightly diffused pink and the unopened buds a beautiful golden buff, tinted pink. The florets are 6-7 inches (8¾ has been claimed in N. Z. where it originated), beautifully frilled and of heavy texture. 6-8 open on tall spikes, some of which may crook under very adverse conditions. In spite of this tendency the Ballarat Test Gardens awarded it their F. C. C., '48.

Our rating, C 86.

Each L .75 M .50 S .35 Blts .07 (100, \$5.).

417 PACTOLUS (K & M '47) E. A very spectacular glad with strong, bright colors. Deep apricot-cream with orange red blotches on lower petals. Though the colors are "hot", they are in pleasing harmony and the spikes are very spectacular. Eight florets open easily on straight stems, closely spaced in double row formation, well attached. Three years growing experience has convinced us that any flaws we have not yet discovered must necessarily be negligible and we predict commercial use as soon as sufficient stocks are propagated. We carry an illustration showing its pleasing form, marking, ruffling, wide open florets that even recurve a bit. F. C. C., Haarlem, a 1st at Pa. (Pittsburgh) and an "A" rating obtained at the W. Virginia Trial Gardens, all '48. Test rating, A 89.

Fast propagation has enabled us to match competitive (including foreign) wholesale pricing and this is also a band wagon bargain for the cut flower man seeking a start of this grand variety.

Each L \$1.00 M .75 S .50 Blts .10 (100, \$8) (1000, \$50) (pt., \$75) (a few qts. to spare at \$150.).

416 STRALIA (Both) (our '47 import release) M. Color is clear, unmarked, salmony buff, pastel. Here is a glad to watch. Its ruffling is superb and its clean, beautiful color is outstanding. Large but not a giant. Tall but not too tall, 55 inches. All of its habits, stem, substance, placement, attachment, bulb health, germination, etc., appear to be far above "satisfactory level." Powerful propagator. The clear, soft pastel color finish of this glad marks it the cleanest pastel in our experience.

Our 1st at Pa. State show, Grove City, '49. One of the 8 varieties to achieve the top AA rating.

Test rating, AA 91.

Each L .35 M .25 Blts .03 (100, \$1.50) (1000, \$10) (pt., \$15.).

417 SUN SPOT (Roberts '45) EM. A tall, sometimes loosely arranged but large spike. A pale buff with clean color though pale enough to be somewhat lacking in color character. However, the small, rose red spot in the throat gives it a striking appearance. An easy doer that grows well. Has gathered 3 show championships including at Binghamton, '47. Also an A. M. at the Ohio state show, Cleveland, '48.

Our rating, A 84.

Each L .75 M .50 S .25 Blts .07 (100, \$4.50).

ORANGE—22 Series

(Incl. yellow orange and red orange)

423 ALL GLORY (Toon) (our '46 import release) E. A novelty gladiolus as to color. Deep, tangerine orange, spectacularly blotched purple, overlaid cerise with a single rib down center of lower petals. Beautifully ruffled. Color is fast, florets are of leathery texture, propagation is easy and good and sizeable spikes are frequently had from bulblets. Good commercial habits. Our rating, A 85.

Each L .25 M .15 S .10 Blts .03 (100, \$1.50) (1000, \$10) pt., \$15.).

423 CIRCE (K & M '48) (our '49 import release) E. A medium-bright russet orange without any flecking, with a deeper red feathered blotch, small but made a bit conspicuous by a surrounding narrow band of creamy yellow. The color harmony is very good and

we rate the over-all color in the orange classification second only to that of Tunia's Delight. We concede excellent cut flower habits in every respect, including ability to open well when cut tight. With 6 or more florets open it will shortly become a variety hard to stop in the shows. A real "knockout." In '48, A. M. at London RHS test garden, F. C. C. at Haarlem. One of the 4 Dutch varieties out of 125 tested to rate "AA" at W. Virginia test garden, where Mr. Tom Manley (in charge) said he considered it the best of the four. He considers it the cleanest color of any glad he has seen from Holland, not limiting his statement to the 125 test.

We carry an illustration.

In the top four-way tie test rating at AA 92.

Starting on its way, it secured firsts at Binghamton, Ind. state at Wabash, also at Purdue, Ind., at Chagrin Falls, Ohio, two firsts at W. Va. state show Wheeling and at N. W. Ohio (Toledo), two firsts, sec, champ, division champ (Best R.I.) and Grand Champion.

In the test garden, '49, Manley had one spike with 6 open 5-5½ inch florets, 25 buds and 36 inch flowerhead.

Each L \$3.00 M \$2.25 S \$1.50 Blts .30 (100, \$24.).

423 HENRI DE GREEVE (K & M '47)

(our '49 import release) M. A pastel salmon orange with a carmine feather on an ochre throat. Heavy textured florets, 6-8 open on 20-22 bud spikes medium tall. A vigorous propagator with a high level of cut flower habits. Our firsts at Pa. State and Tri State, '49.

Some slight peeling of color in soggy weather reduced its test rating to C 84.

Each L \$2.00 M \$1.25 S .75 Blts .15 (100, \$8) (1000 \$50) (pt., \$75.).

522 TUNIA'S DELIGHT (Both) (our '47

import release) M. As beautiful and refined a glad as we have discovered in many years. Clear, liquid, deep orange of huge size with a narrow, perfect blue margin around the edge of every petal, a marvelous beauty able to open 8 at one time. If well grown, many bulblets bloom and make very sizeable bulbs.

Color Champion at the Ohio state '47 show.

Our rating, A 91.

Our medium and small bulbs will sell out early.

Each L .75 M .50 S .25 Blts .07 (100, \$4.50) (1000, \$30.).

422 TUTS BOTH (Both) (our '43 import

release) EM. Deep pastel orange, suede finish. Between 03 and 04 on Fischer Color Chart. Has a very small blue tongue, a color rarely found in

glads in combination with orange. 5½ inch and larger florets, wide open, rigidly held, excellently placed. Not even a small percent of crooking. Can do some fading if opened out on plant in severe, hot sunlight. Has had two Awards of Merit by Ohio society, was Color Champion at Ohio (Cleveland) '44; in '47 W. Va. gave it a double Color Champion award as both daylight and artificial light winner. Frequent winner of various special awards and was also Grand Champion, Pa. state (Pittsburgh) '47.

Our rating, A 86.

Each L .20 M .15 S .10 Blts (100, \$1) (1000, \$6) (pt., \$10.).

LIGHT SALMON—30 Series

430 ANN STRALIA BOTH (Both '45)

(our '47 import release) M. Outer area clear, delicate salmon shading imperceptibly to clear, golden yellow. Beautifully ruffled. Double row placement to perfection, which includes facing, spacing and attachment. One of the world's most beautiful glads.

Our rating, B 89.

Each L .75 M .50 S .35 Blts .05 (100, \$3.).

431 FRED TUCKER (Both '46) (our '49

import release) E. A medium light salmon with white lines on center rib of petals with a small purple blotch in throat. Tall, stretchy, informal spikes holding 8-10 open. We dip our hat here to a variety that outperforms Pinocchio in production of spikes from bulblets. We would say that about 99-44/100% of them bloomed, averaging 3 feet and 8-12 buds, 4 inch florets.

Our rating, C 82.

Each L .50 M .35 Blts .05 (100, \$3) (1000, \$20) (pt., \$30.).

431 JEANETTE WHITE (Both '46) (our

'49 import release) M. A medium-light salmon pink, with a cyclamen blotch, not very prominent, on cream throat. The salmon feathers out somewhat deeper towards the edges of the petals. The over-all color effect is lighter than Spic and Span and the feathering less prominent. The reason we compare with Spic and Span is that the spikes have much in common. Very tall and uniformly straight. Somewhat ruffled. Made stunning formal, double row placement, extremely long flowerheads with many 10-12 open from small bulbs. One of these spikes took a first for us at East Liverpool show, '48. A very vigorous grower that will bear watching.

Most open, East Liverpool, '49.

Test ratings, C 82.

Each L \$1.00 M .75 S .50 Blts .10 (100, \$7) (1000, \$50.).

430 MARLENE BOTH (Both) (our '43 import release). Very early. Easily one of the most beautiful of all glads. A glorious, brilliant yet delicate, creamy salmon pink with perfectly blended deep, creamy buff throat. Color never blemishes. Beautifully ruffled, adding to its outstanding decorative qualities. Long stretchy spikes. Has had several top honor awards such as best recent introduction, best Australian introduction, grand champion and "most beautiful bloom in the show." All habits well above the "satisfactory level" except an occasional small amount of crooking under extremely bad conditions. Fast propagator. Our rating, B 89. Each L .25 M .20 Blts (100, \$1.50) (1000, \$8.) (Pint, \$12.).

530 MRS. E. BOTH (Both) (our '43 import release) E. Until the advent of Tunia's Wizard and Tunia's Aristocrat, the most sensational super exhibition glad ever sent out of Australia, where it received the first First Class Certificate ever issued by the S.A.G.S., '40, with a top rating of 95. A perfect color blend of liquid clear, light orange pink with harmonizing, clear, deep cream throat. Shows a wonderful saturation of color. Florets round petalled, wide open, from 6-7½ inches in diameter, rigidly held on flower-heads that range from 30-42 inches. 9-12 open, 24-26 buds. When well grown and forced with heavy watering, assisted perhaps with a "shot-in-the-arm" type of fertilizing only between bud and bloom stage, you have a chance of producing the largest bulk of bloom yet produced on one spike. A Division Champion and best spike foreign origin at Washington, '48. Color Champion, So. Austr. G. S., winter '48-49. Our rating, A 91. Each L .50 M .35 S .20 Blts .05 (100, \$3.).

430 POLYNESIE (K & M '49) (our 1950 import release) LM. Lively pure salmon approaching perfection. Deeper than Picardy. Slight lightening of midribs, a few soft scarlet lines in throat. No feathering (deepening) of color in '48. A slight amount during the hottest week of September, '49. 8-12 florets, 5¼ inches diameter, slightly ruffled at petal edges, open with ease on long heads of perfect, tapering, championship caliber outline. Cut flower qualities appear perfect and its stamina as a cut flower was well evidenced by the 3 spikes we carried a long distance to the Boston, N.E.G.S. show '48, being in perfect condition at the close of the show and

so reported in numerous publications around the world.

For Polynesie we have "fallen" in the grand manner. Currently, before sales begin, we have reason to believe we have the largest stocks in the hands of any cataloger in America.

We gave Polynesie our '48 test ratings in our '49 catalog tabulation as AA 89. The Valleevue Test Garden ratings are AA 90, being one of the 8 varieties to rate their AA.

Though without mention in the N.A.G.C. prize winner tabulation of 45 shows, in just 5 shows we saw 7 firsts (3 Manley's, 1 Beardmore's and 3 ours) (4 in R.I. sections, 3 in open sections) (2 at Binghamton, 2 at Wheeling, 1 at Tri State, 1 at Toledo and 1 at Pittsburgh, all well reported shows).

See illustration on front cover.

One well known cataloger, probably with a small amount of stock and smaller knowledge of the value of this variety, has listed Polynesie well below the current wholesale import price. Since our interest is substantial and our prices always competitive on valuable new items, the like benefit accrues to our customers.

Each L \$5.00 M \$3.75 S \$2.50 Blts .60 (10, \$4.80) (100, \$38.40.).

DEEP SALMON—32 Series

432 BLAIRE MARGUERITE (Both '47) (our '49 import release) M. The color salmon pink, feathered deeper. White midribs. The depth and quantity of feathering in '49 (more than in '48), if continued would classify 432. Test rating, C 84. Each L \$1.50 M \$1.00 S .50 Blts .10 (100, \$7.).

533 BOLDFACE (Evans '47) M. Color is brilliant and very attractive. Very deep salmon pink with an almost black red brush on clean white throat, very spectacularly blotched. Ruffled florets that run a bit over 5½ inches though we were amazed to see a floret grown by Mrs. Kidd of Newmarket, Ont., over 7½ inches. Opens up to 8 in field, 9-11 when cut, 20-21 buds. Plant growth is vigorous and foliage stands 30-36 inches high, height 66 inches. Florets well attached, make uniform, double row placement. Propagation is good. Even before dropping into the reasonable price range this spectacular glad has achieved world wide fame and is listed in British and Australian catalogs. Prior to '49 won American Home Achievement Medal, two Ohio Awards of Merit, one champion bloom and a number of firsts.

In '49 firsts at Binghamton, C.G.S., Chagrin Falls, Chicago, Hamilton Dist., Solon, Wash. state, W. Va.

state, N. W. N. Y. (Buffalo) also best R.I., Two Rivers, Wis. also grand champion. Two firsts at N. W. Ohio (Toledo), two firsts at Pa. state, two firsts at Ohio state, two firsts at East Liverpool, also reserve champion. Three firsts at Tri State (Wellsville) and four firsts at Winnipeg shows.

Our AA rating has been corroborated by the Test Garden which placed Boldface in the 4-way tie for top honors at AA 92.

Each L \$1.25 M .75 S .50 Blts .10 (100, \$8) (1000, \$60) (pt., \$90.).

- 432 DIEPPE** (Hassal '45) M. Deep, red salmon, blotched deeper. Slightly waved and ruffled. Excellent cut flower habits and fast propagator. Very attractive, not far from that of Harmau. The records say we beat a very fine spike of Boldface at the Chagrin Falls show, '47 with a fine spike of Dieppe!

A grand cut flower at reasonable price.

Our rating, A 88. Third best glad, last C.G.S. symposium.

Each L .15 M .10 Blts (100, .50) (1000, \$4.).

- 432 SPITFIRE** (Evans '43) M. Color is clear, iridescent, rosy toned salmon, white throat marked with several small cherry lines. Opens 8-10 slightly ruffled 5 inch florets. Powerful plant, strong stem, no crooking, bloom long lasting. Propagation medium, otherwise good cut flower qualities. Has won medals, cups, seedling and grand championships, five different Awards of Merit. Australian catalogs call it "America's Perfect Exhibition Glad." Spitfire has topped its color section in the last Canadian Symposium. Bulb-lets run small and because we get no large and not too many medium bulbs with one year's growing, we never have enough stock to go around. Its ability to win occasional second day grand championships (as W. Va. and Winnipeg, '47) shows its stamina. In '48 grand champion at Indiana state show, where it started its career as champion seedling just 10 years before. We note many firsts, often several at one show, such as 2 at Tri State, 2 at Ohio state, 2 at Pa. (Greenville), 3 at Pa. (Pittsburgh). Was most open at Wis. state.

In extensive trials by Florida State in '47, Spitfire turned out to be one of but six varieties found to be both a desirable commercial variety and also resistant to the "leaf spot" disease so prevalent in Florida and California under humid conditions.

Judging the Port Arthur show, '49, Leonard Butt said the spikes of Spitfire and Mid-America were positively the longest flowerheads he had seen

during the year.

See illustration on back cover.

Our rating, A 84.

Each L .25 M .20 Blts .02 (100, \$1.50) (1000, \$10.).

- 432 TUNIA'S FANCY** (Both '46) (our '48 import release) M. One could rate this No. 1 for sheer beauty and not be far off. Exquisitely ruffled, medium deep orange pink. Clean color. The florets are rigidly held, well placed on stretchy spikes, medium tall, about 50 inches.

In '48 A. M. by Ballarat Test Garden with top color rating over all 36 varieties on test.

Our rating, A 89.

Each L \$1.00 M .75 S .50 Blts .06 (100, \$4.).

- 432 WATERMELON** (Evans '48) LM. The name describes the color so perfectly that little remains to be said. It is definitely a deep, pinkish salmon with a small cream mark in the throat. Florets 4½ inches and larger, 6 and more open, strong, stretchy spikes about 52 inches high. Good propagator. With habits well above average and color decidedly "different," we believe there will be a place for Watermelon. Derived from the cross Bobby Dazzler x Sir Galahad, a "hot" cross we have several times listed and from which many of our customers have seedlings of merit. One was seedling and color champion at the Solon (Ohio) show, '47.

Our rating, B 90.

Each L .30 M .20 Blts .05 (100, \$3.).

SCARLET—36 Series

- 536 AUSSIE** (Both) (our '49 import release) EM. A giant bright scarlet with a violet tongue. Has produced, in Australia, a 40 inch flowerhead with 28 buds, 12 wide open florets. Formal placement. Supply limited.

Our rating, B 86.

Bulbs, any size, your choice. Each \$1.00 (no dozen rate) Blts. .10.

- 437 CARNIVAL** (Butt-Evans '47) EM. Bright, dazzling scarlet with clear white throat. Exhibition quality spikes are regularly produced and it opens 7-10 well placed florets at once. Attachment and substance are good and one spike is a bouquet in itself. Color is uncommonly attractive and the variety is well named. We joined in its introduction without invitation. We asked for the privilege having grown it as a seedling on test. In '48 we noted firsts at Ohio state, Tri State and International (Binghamton, N. Y.). At our current reduced prices this variety becomes one of the best bargains in the catalog.

Our rating, A 90.

Each L .40 M .30 S .15 Blts .03 (100, \$2.50) (1000, \$15) (pt., \$25.).

536 DESTINY (Butt '43) M. Very tall, strong spikes of bright "house afire" orange scarlet with white arrows in throat. Florets not much above the 5½ inch size. The plants are powerful and though only a medium propagator with us we rate it an excellent cut flower.

Our rating, A 84.

Each L .12 Blts (100, \$.50) (Pint, \$.5.).

536 DYNAMO (Salman '48) (our '50 import release) LM. Pastel scarlet, deeper on lip, lighter on upper, pales a bit at edges, not far from self color. Immense round florets 6½-7½ inches diameter. Seed pods are immense, too. Bulblets germinate fast, grow strong, mostly to large bulbs. Test rating, B 88.

Each L or M \$3.00 Blts 3, \$1.00 (units but not tied to bulb purchase).

436 FIRE GLEAM (Jack '49) EM. Deep scarlet, cream lines. Its average color value will be acceptable if the promised 30 inch flower heads materialize. Our blooms were 3 weeks early on immature plants, so we did not learn. Test ratings, B 84.

Each L \$1.50 M \$1.00 S .50 Blts .15.

436 JOHAN van KONYNENBURG (K & M) (our '47 import release) M. Named for one of the founders of the great Holland firm. The color is clear, rich, glowing orange vermilion. Truly, every spike is a show in itself, outstanding in any garden, carrying up to 10 open blooms, well faced and spaced on tall, extra strong, upright spikes, never crooked or bent. Received First Class Certificate at Haarlem, their highest possible award. It has turned out to be an excellent propagator for us and we are sure it will quickly take a high ranking place on the cut flower market.

It was grand champion at the large International show in Holland, '47.

In '49, in published show reports we find 10 firsts (though N.A.G.C. prize winning tabulators missed them all), (Ohio state, Ind. state, Wash. state (3), Wis. at Twin City Mich., N. W. Ohio at Toledo, Empire at Lima, Sioux City, Iowa and Winnipeg).

Our rating, A 86.

L .12 M .07 S .05 Blts (100, .50) (1000, \$.4) (pt., \$.6.).

436 MRS. ALICE B. STREET (Both '46) (our '48 import release) M. Warm orange scarlet with deeper red throat mark. Color is clean except for one cream pencil line on lower petal. Makes double row, exhibition type spikes, about 50 inches tall with large, ruffled florets of 5½-6½ inches, well placed and having tight attachment to a very stiff stem.

Our rating, A 85.

Each L \$1.00 M .75 S .50 Blts .08 (100, \$.5) (1000, \$.30.).

436 PFITZER'S CENTURY (Pfitzer) (our '47 import release) L. A light scarlet masterpiece. Color is clean. Holds 8-10 wide open, large florets on tall, strong stems. Good propagator. Named to celebrate the 100th year of the famous German nursery firm. The Holland growers say it will take the world by storm, both for exhibition and commercial purposes. Has what we call "hot" color.

We consider this the very best of the late varieties. Powerful plants, intense color, no crooks.

Our ratings, A 87.

L .40 M .30 S .20 Blts .04 (100, \$.3) (1000, \$.20) (pt., \$.30.).

LIGHT PINK—40 Series

441 CONN. YANKEE (Schenetsky '44) LM. A beautiful blush pink with a small orange red feather in the throat. Color value is very high and this, together with the shapely spikes it makes with 8 open and good length, helps it to maintain a high place in the winner columns. The propagation is under the "satisfactory level" and the plants have a tendency to mature early, after blooming, indicating need of early digging. Otherwise we have a good glad here, approaching the reasonable price range.

Currently top winner in its class and we saw two grand champs (both Pa. G. S. shows, '49).

Our ratings, A 87.

L .50 M .35 S .25 Blts (100, \$.2.).

440 MRS. P. COSTA (Both '46) (our '48 import release) M. Very light creamy blush white, perfect double row placement, somewhat ruffled—in fact it looks like a larger, much improved Rosemarie Pfitzer. There is a flush of lavender on the lower petals. Medium-tall.

Our ratings, B 89.

Each L .75 M .50 Blts .07 (100, \$.5.).

440 PRESIDENT TRUMAN (Salman) (A '48 import release) L. The color is a very light, blushed shell pink, tinting even lighter in the throat. On an occasional spike there is a very small amount of faint deeper flecking at the edges of the petals. A few steps away the effect is substantially a self color, another glad whose color is not far from that of Evangeline. There appears to be no question about the commercial qualities of this glad which stands 5½ feet tall on very strong stems, holding 8-12 five inch florets open in perfect formal outline. So, like the President, this glad is going to be hard to beat.

Test rating, B 89.

L .15 Blts (100, \$.1) (1000, \$.6.).

441 SILCHERLIED (Pfitzer '50) (our 1950 introduction) E. Song of Silcher, a German composer of about 1600. This is a wonderful color harmony just about out of this world. Base color about 427/1 with a small U-shaped solid mark (not a blend) around $\frac{1}{2} \times \frac{3}{4}$ inch, set rather deep in the throat, about 27/1 on RHS color chart. On Ridgeway, about 1 3 f marked XII 71 m. In language somewhat better understood, a deep la France pink with small, solid, deep bordeau rose mark in throat, the main color being about 4 tints above the throat mark, beautiful color harmony as really two tones of one color (27). Though classified light pink, it is deeper than the light rose pink wonder glad Tivoli and much more beautiful, hard as it may be to imagine. The plant specifications ring in harmony also, as its exhibition and commercial qualities are tops. Tall, strong spikes, 60-66 inches high, carrying 18-20 buds capable of opening eight 5 inch, well formed and attached florets even when cut in bud and several more if cut later. Double row placement, early, healthy and excellent propagator. We expect this variety to prove out the best of the 20 odd varieties herein offered first time in American catalogs. Our own ratings, AA 93, thus topping Tivoli and Greta Garbo. Our prices, as exactly as we can estimate them, equal the one and only current foreign wholesale price plus the duty and other incidental costs of importation, so these prices are net, with no dozen rate except to commercial growers and catalogers. Each M (run No. 2-3, blt grown) \$7.00 Blts each \$1.25.

DEEP PINK—42 Series

443 ALGOMA (Butt '44) M. A buff toned, medium-deep pink with a red flush which deepens as the flower ages and a very spectacular, deep red throat. The color is certainly "different" and all other details could be aptly described "perfect." Plants are tall and strong, always straight. Opens eight 5 inch florets with ease in open field, always well placed. Our rating, B 80. Each L .15 M .10 Blts (100, \$1) (pt., \$9.).

443 COTILLION (Butt '48) M. Deep pink with prominent cream throat. Ten open on tall spikes, a grand champion contender. Our 1st Tri State, Wellsville, Ohio. A first at W. Va. also

Best R.I. and Grand Champion at Mich. State show '49. Test ratings, A 85. Each L \$1.00 M .60 S .40 Blts .04.

443 NECIA (Both '45) (our '49 import release) M. Though Mr. Both describes this glad as salmon pink, we consider it to be deep pink, the depth of color seemingly to be made up of an intermixture of some salmon and some rose. Has a rather prominent cyclamen blotch making it a very pleasing and harmonious color combination. The tall, strong spikes bordering on very tall, show real power and heavy substance. The florets are at the top of the 400 size range and occasionally go beyond 6 inches. We have been growing stock of this variety several years, becoming more and more impressed with its good propagation and fine commercial habits and pleasing color. Very outstanding.

Test ratings, A 87. Each L .75 M .50 S .25 Blts .07 (100, \$5.) (1000, \$30.) (pt., \$50.).

542 PERSONALITY (Butt-Evans '47) M. Basic color is deep pink slightly rosy toned. This glad looks equally good for exhibition and for commercial use. Most every spike appears to be of show champion quality. Tall, powerful plants, 7-9 open in the field. Of the many "deep pink Picardys," most of them sports, this is the only one that has satisfied us.

Our firsts at Pa. state and Tri State shows, '49.

Our ratings, A 86.

Each L .40 M .30 S .20 Blts .03 (100, \$2.).

LIGHT RED—50 Series

550 ANIMATION (Butt '47) LM. Bright, medium-light red with small cream throat lines. 6 inches up florets, 6-7 open. Responds quickly with extra size via "shot in the arm" methods (liquid manure, blood meal, ammonium sulphates and nitrates, etc.) applied at early bud stage. Appears to be sturdy enough in its habits to warrant listing (and buying) at current price. Test ratings, B 85. Each L .50 M .35 S .20 Blts .04 (100, \$2.).

550 MID-AMERICA (Knierim-Evans '47) M. The first variety we have offered, raised by one of our customers from seed (cross 486, Red Charm x Snow Cruiser) offered in our catalog. May any similar subsequent offers be as good!

Color clear, brilliant light red, unmarked. Mammoth, smooth, round florets around 7 inches diameter and

more, well attached on very tall spikes, 26 buds on extra strong stems, as well as extra long flowerheads, 33-36 inch heads being almost an average for large bulb production. Foliage is wide and heavy and tall, even that of bulblets growing 30 inches tall. About a fourth of the bulblets bloom. Even tiny bulbs hardly larger than bulblets, placed 2 inches apart have made many spikes 60-66 inches tall, with foliage 36 inches tall, opening 10 giant florets.

For about a full page of further description see '48 and '49 catalogs.

The king of the garden, as Mr. Larus aptly calls it.

It has just about smothered all opposition in the shows.

A sell out of L and M every year and this will be no exception.

Test ratings, A 90.

Our ratings, AA 90.

Each L .35 M .25 S .15 Blts .03 (100, \$2.) (1000, \$12.) (pt., \$20.).

DEEP RED—52 Series

452 C. ROBERTS (Both '46) (our '49 import release) M. The color is very uncommon and quite attractive. It is a deep colored glad and the effect is almost a self color. In detail, it is a fiery, orange toned cerise red, blending almost imperceptibly to an almost purple throat. The top petal tints out a bit lighter than the others. Large, stretchy spikes on a tough stem, with florets of size that occasionally go over 6 inches. Good propagator.

Test ratings, B 87.

Each L .75 M .50 S .30 Blts .07 (100, \$5.) (1000, \$40.).

452 FIREBRAND (Butt '44) M. We consider this Mr. Butt's best origination to date. Within our experience, no other medium deep red has color value to match it. Slightly ruffled, deep signal red, slightly deeper in throat with small white lines on lower petals. Color is velvety and unopened buds are of unique form resembling roses and the florets lie tight and flat to the stem. 8-13 open on spikes that are tall and straight. Good propagator and makes show spikes from No. 4 medium bulbs. Has entered the columns of Color Champion and Grand Champion and has won many recent introduction section championships in the few years it has been on the market. Now that we are able to offer this variety at popular prices we have abandoned the older variety Red Charm.

In Holland tests Red Charm succumbed to fusarium infested soil whereas Firebrand alongside survived 100% clean.

Our ratings, AA 93.

L .12 M .07 S .04 Blts (100, .50) (1000, \$3.) (pt., \$4.).

552 MIGHTY MONARCH (Butt '46) LM.

Very velvety, clean, glowing deep red. An exceptionally strong grower, approaching the power shown by Strathnaver and Mid-America. Florets 5½-6 inches, 8-10 open on extremely long, 20-26 bud flowerheads. Good propagator and bulblets make a large proportion of large and medium bulbs. A quality glad in every respect and we consider it one of the three best reds in existence. (And you know what we think of Mid-America and Firebrand).

As anticipated, it has started to make its mark on the show records, taking awards for most beautiful in show, longest flowerhead, section, division and grand champion awards. Spikes from medium bulbs, as well as large, consistently produce grand champ caliber spikes.

Our ratings, AA 90.

L .35 M .25 S .15 Blts .03 (100, \$2.) (1000, \$12.50.) (pt., \$20.).

552 REDOWA (Butt '48) M. Velvety, medium-deep red (not as deep as mighty Monarch), a narrow, deeper red line on lip petal. Tall strong spikes, close to stepladder placement, 5½-6½ inch florets, 6-9 open, 19-20 buds. Its commercial qualities look very good. Also, we took a first at W. Va. '49.

Test ratings, B 84.

Each L \$1.00 M .60 S .40 Blts .05 (100, \$3.).

BLACK RED—54 Series

454 MANSOER (Salman) (our '47 import release) EM. Mansoer is very deep blood red with a blackish brown, velvety glow. The florets are close to the giant size, smooth, round and wide open, firmly held on tall, wiry stems. 7-10 open. First Class Certificate, Haarlem, '45. Because it is perfectly healthy and cuts 100% blooms of exhibition quality it will quickly become our most popular black red cut flower. Very fast propagator.

Our rating, A 89.

L .15 M .10 Blts (100, \$1.) (1000, \$7.) (pt., \$10.).

Bulbs priced per each. 12 sold at 10 rate. 6 at 5 rate. 25 at 100 rate.

Blts any amount at rate offered. Delivered Prepaid in U. S.

554 MARSHALL MONTGOMERY (Salman '48) (our '48 import release) M. A seedling of Mansoor and in every respect an improvement. Color is still warmer, shining, deep maroon red. Enormous florets, wide open, slightly ruffled and of pleasing form. Long, heavy spike on extremely heavy, straight and long stems.

Two firsts, including R.I., Cleveland, '49.

Test ratings, A 90.

Each L \$1.25 M \$1.00 S .75 Blts .10.

454 MAURRIE TREVAN (Both) (our '46 import release) EM. One of the darkest, if not the darkest, red in commerce. Color is substantially clean and very velvety. Spikes from bulblets and from No. 6 small bulbs have won in well filled classes including both large and giant size in big time shows. Bulb production fairly good but not what would be termed prolific. Other habits all well above "satisfactory level." Florets are round, close to giant size and the flowerheads are extremely long, holding many open. Award of Merit, Ohio Society, '46.

Without trying to tabulate its '49 winnings we noted firsts at Binghamton, Cleveland, Solon, East Liverpool and Tri State though none of them are recorded in the N.A.G.C. Dec. prize winner tabulation.

Prizes are sharply reduced, warranting "grower unit" (of dimensions to suit) purchase.

L .60 M .40 S .25 Blts .06 (100, \$4.50) (1000, \$25.).

554 MENELIK (Salman '50) (our 1950 introduction) LM. Clean black red with rosy tinge blending deeper at base of petals. Makes stupendous, magnificent long spikes of grand championship caliber.

AA 90 test ratings, such as this has received, are awarded with the greatest concern for the ultimate correctness of the estimate. Only four AA were issued in '48, eight in '49, two of these repeaters.

Normally, the stock of this variety would undergo one or two years further propagation before release, even to Holland growers, as it was only a seedling on test and stocks very small. We believe the stock is very fairly priced and a very good investment.

Each M \$3.00 (no dozen rate). Blt units of 10, \$5.00 per bulb purchase.

"I purchased a medium bulb of Strathnaver from you. It bloomed in time for the St. Elmwood (Winnipeg) show. It won first in Sec. 1, snapshot enclosed (here reproduced.) It had 22 buds, 27" flowerhead, 8 open, 7 inches "as is" diameter, the whitest glad I have ever seen and attachment was very good." J. H. Pottage, Man.

554 MRS. R. G. ERREY (Errey) '47. M. Velvety red, very deep, faintly marked deeper. Some crooked stems in extremely hot weather. Very tall. Too tall at times. 7-10 open on 20-25 bud spikes. Easy propagator. Two F.C.C. awards down under. Our first, East Liverpool, '49.

Each L .50 S .25 Blts (100, \$3.).

LIGHT ROSE—60 Series

560 COUTTS' ORCHID (Coutts) (our '41 import release) M. Six inch and larger, immense, round petalled florets of unmarked light orchid rose with cream throat. Has a tendency to produce a quarter inch lighter edging, or halo. Never, in all these years of selling it, have we found a woman who did not admire it, almost all men. The color value is outstanding. About 16 buds, 5-7 open, placement reasonably satisfactory, easy grower though bulblets run small sized. Award of Merit, Canadian G. S.

Our rating, A 86.

L .12 Blts (100, \$1.00) (1000, \$8.).

460 EIFFEL TOWER (Both '47) (our '48 import release) M. Very pale lavender blush pink, substantially unmarked but still lighter in the throat. Round, wide open florets of about 5 inches. Spikes carry 8-10 florets open, excellently placed, full double row exhibition placement. A real goliath in plant size and a strong, husky grower. Fairly good propagation. The name is a slight exaggeration, at least.

Our rating, B 80

Each L \$1.25 M .75 S .50 Blts .10 (100, \$8.) (1000, \$50.).

560 EVANGELINE (Palmer '48) LM. Very pale, light rose, almost blush white with creamy yellow throat. This is the giant seedling that started its way to fame as seedling and grand champion at the big Cleveland '46 show. Both bulbs and bulblets make powerful growth. Winning its share of prizes now and was grand champion at Solon, Ohio show, also at N. J. state, '49.

Test rating, A 86.

Each L \$2.00 M \$1.25 S \$1.00 Blts .15 (100, \$10.) (pt. \$125.).

460 FOLKLORE (Butt '49) E. Medium deep rosy lavender, creamy white throat. Color is on the order of Coutts' Orchid but the rose is deeper, the florets smaller but opens more. For two years most of our spikes have opened an average of 8.

Test rating, B 86.

Each any size bulb \$1.50 Blts (units of 12, \$1.50).

560 GENERAL EISENHOWER (Salman) (our '48 import release) M. A medium-light rose in the general depth range of Leeuwenhorst, Rosea, Festival Queen, Sensation and the like. Relatively clear color, bright hydrangea pink but with variable amount of deeper feathering. The variety is powerful in every respect, with excellent cut flower habits. It makes flowerheads with 7 inch florets double-row placed in such fashion that the width of the tremendous flower spike is the greatest of any variety we have yet seen. Tremendous is the word, even from medium bulbs. This is one of the 4 varieties to rate "AA" among the 125 Dutch sorts tested by W. Virginia Test Gardens, '48.

Test rating, A 83.

L .25 M .15 Blts (100, \$1.) (1000, \$6.) (pt., \$10.).

460 TIVOLI (K & M) (our '47 import release) LM. This is a wonder glad. A lovely salmon-rose pink of great character. The clean rose blends into a lighter throat. Florets around 5 inches. 8-10 open in faultless double-row outline. 8 open easily in the field on strong, straight, tall spikes. 18-20 buds. Tivoli has gained such a foothold over the entire current light rose group that we doubt if its top rating can be dislodged in the next ten years. We carry an illustration.

Color champ, Solon, Ohio, '48. N.A.G.C. winner tabulation gives 7 firsts in 45 shows. In just 7 shows we located 10. Two at Cleveland, two at Wabash, our own at Binghamton, one at Purdue, one at Hamilton, one at Toledo and at Tri State (Wellsville) two firsts, a section champ, a division champ (Best R.I.), Color champ and grand champ.

Test rating: One of the eight to receive AA. AA 91.

L .25 M .12 Blts (100, \$1.50) (1000, \$10.) (pt., \$15.).

DEEP ROSE—62 Series

462 ARISTOCRAT (Salman) (our '50 import release) M. Purplish wine red, paling slightly to an almost blue edge about $\frac{1}{8}$ inch wide. Round, smooth florets, very heavy texture. Attractive color with a minute marbling throughout. Excellent exhibition and cut flower habits. Bulblets up fast and strong. A first at Tri State (Wellsville), '49.

Test ratings, A 89.

Each L \$2.50 M \$2.00 Blts .50.

Bulbs priced per each. 12 sold at 10 rate. 6 at 5 rate. 25 at 100 rate.

Blts any amount at rate offered. Delivered Prepaid in U. S.

562 GRAND MONARCH (Salman) (our '48 import release) LM. Color is bright and glossy. The brownish red base has a very definite rosy violet cast, together with a vivid purple throat. Round florets, 6-8 inches, 6-8 open on spikes too tall for self support, the stem appearing somewhat weak at the ground for the heavy load if blooms are allowed to age on the plant.

Our ratings, C 83.

L .35 M .25 Blts .03 (100, \$2.).

563 HILLCREST (Brown—N. Z.) (our '48 import release) M. Shining and exotic, a rich, medium-deep rose rather heavily feathered and flecked deeper, increasing towards the edges of the petals. It has a vivid throat mark of deep cerise. 6-7 inch, wide open florets making grand exhibition spikes of gigantic size. Splendid propagator. Very healthy. Color improved when cut and bloomed indoors.

Our ratings, B 83.

L .35 Blts .03 (100, \$2.) (1000, \$15.) (pt., \$25.).

462 H. R. HANCOCK (Both) (our '43 import release) M. Clear, medium deep, violet cherry rose, with clear, creamy white throat. Very clean colors. Perfect, double row placement of 5 inch florets, even from No. 6 small bulbs. 8-11 open, balance in color, a bit crowded on a flowerhead not as stretchy as we would like to have ordered it. Substance excellent. Cut in bud, opens well to tip with very little diminution of size up the spike. A wonderful color break for the cut flower growers and it is a prolific propagator, as well. One of the most popular glads we have ever offered and now at very reasonable price.

L .15 Blts (100, \$1.) (1000, \$8.) (Pint, \$15.).

LAVENDER—66 Series

366 BENJAMIN BRITTEN (K & M '48) (our '49 import release) Early. A very deep toned lavender approaching light (Rhodamine) purple (370). White pencil on lip petal. A very uncommon color. The plants are vigorous, the spikes very tall, close to 6 feet, florets around 4-4 $\frac{1}{2}$ inches, 8 opening with ease. Has a good cutting stem and all other traits indicate high commercial value.

A. M. London RHS Test Garden.

Our first at Pa. state show, '49.

Test ratings, A 87.

Each L \$2.50 M \$1.75 S \$1.00 Blts .25 (100, \$20.) (1000, \$125.).

566 GEORGE MAZURE (Both) '49 M. Colors vary in intensity. Fresh florets are extremely pale creamy blush, faintly tinged orchid lavender, with creamy throat. As the floret ages the lavender tinge deepens and the cream in the throat turns white. Stunning in either condition or in combination on the same spike.

Grown from small bulbs and bulblets in a year far from average, we cannot rate full performance but it appeared the best of nine new Both varieties we were growing.

Giant florets, smooth, round and flat. Bloom from bulblets ranged from 5½-7 inches and from small bulbs somewhat larger. Plants were definitely short but the season could provide an answer for that. The attachment was fair only and we doubt if another season will improve that. A beautiful giant possibly limited to exhibition use.

Our ratings, B 87.

Each L \$3.00 M \$2.25 S \$1.50 Blts (units 10, \$3.).

366 KITTYHAWK (Both) (our '48 import release) M. A delicate lavender that feathers its color a bit to the edges but makes up for that by opening up to 10 florets, of medium size, around 4 inches, in full double row information on tall, strong spikes. Good habits and propagates well. Grand Champion at three shows in N. Z., our winter of '46-47. This is a blue toned lavender in our opinion closer to that of Minuet than Patricia or any other to the best of our knowledge. It even carries a peppering in the throat on the order of that in Minuet.

We collected a first at Ohio state, two firsts and section champion at Pa. state, a first and section champion at W. Va. state, a first and section champion and best "down under" variety for one of their medals at Tri State, '49.

Our ratings, A 86.

L .50 M .35 S .25 Blts .05 (100, \$3.50) (1000, \$20.).

466 LAVENDER DREAM (Holland) (our '48 import release) M. A beautiful gladiolus classified lavender of very attractive bright color, really of cattleya rose violet with creamy marks. Makes tall spikes with 6 or more open of good commercial and show quality. Has opened ten. The color is something to really exclaim about.

Firsts at Ohio state and Pa. state, '49.

Our ratings, A 90.

L .12 Blts (100, \$1.00) (1000, \$6.).

566 MINSTREL (Palmer '44) M. Lavender with a pink overtone often with considerable feathering of deeper color, the amount of feathering depending much on heat and methods of fertilizing. "Butterfly" type of florets up to 7 inches, somewhat ruffled and needlepoint. Only a fair propagator with us. We do expect well grown spikes to win over Elizabeth the Queen. It did in at least 7 shows, '49.

Our ratings, B 80.

L .25 M .15 Blts (100, \$2.) (1000, \$12.50.).

367 MRS. E. BURKINSHAW (Both) '48 LM. An odd color not all will like. The ground color is a medium-deep rose lavender with a much deeper contrasting blotch. The 4-5 inch florets are well placed on tall exhibition spikes. Flower heads from 2-3 feet long.

Our ratings, C 83.

Each L \$1.00 M .60 S .40 Blts .10 (100, \$1.50) (1000, \$40.).

566 ORCHID GIANT (de Bruyn '50) (our 1950 introduction) M. (Parents Gen. Eisenhower x Lilac Wonder). Deep pastel lavender (light cobalt violet, about 634/3 on RHS chart) with small creamy yellow lines on deeper throat. Giant spikes with Gen. Eisenhower qualities and size. That tells a lot, if you know the latter. Furthermore, the bulblets run large and all seem to make large bulbs. Just how to produce M and S bulbs for sale we have not yet discovered.

Our ratings, A88.

So L bulbs only (all grown from bulblets). Each \$5.00 (no doz. rate) Blts (unit with bulb purchases, 10, \$5.) (unit not tied to purchase 100, \$30.).

566 TUNIA'S MASTERPIECE (Both) (our '47 import release) M. Truly a masterpiece. Most perfect lavender, some occasional deeper flecks, variable, though often clear. Has a small, not very conspicuous, throat dart of medium light blue violet, edged a bit lighter. Florets hard faced and glistening on a vigorous plant. Propagation only medium good. For us bulblets have made long, stretchy spikes with 19 buds, 9 open, 5½ inch florets, all about the same size. Large bulbs, without special forcing between bud and bloom stage have made spikes with 36-40 inch flowerheads, 12-14 open, 6-7 inch florets and decreasing in size but slightly, right up to the 12th open floret. One of the very best glads in our list.

Our ratings, A 90.

Each L \$2.00 M \$1.50 S \$1.00 Blts .20 (100, \$15.).

466 W. H. HOSMER (Hatch '49) M. Medium deep rosy lavender, feathered lighter. Deeper peppering on creamy throat. While the scratchy feathering pulls the color rating down close to "ordinary", friend Elmer tells me "its the one glad I've got right down your alley for exhibition blooms with 12 or more open in a weak color class." Test ratings, B 83.
Each L \$4.00 M \$3.00 S \$2.00 Blts .50 (10, \$4.00.).

PURPLE—70 Series

370 HAVELOCK (Julyan) (our '48 import release) M. Medium size florets of about 4 inches, clear, rich, deep blue-violet toned purple. Strong grower and very consistent in its ability to open 8-10 on tall spikes of grand commercial quality. Good propagator. During the war years this variety has built up a fine cut flower reputation from New Zealand to western Australia. We sent out many trial lots in last few years, all reports were good.

N.A.G.C. winner tabulation for '49 lists four firsts but we took seven ourselves, one each at Binghamton, Solon, East Liverpool, Toledo, Tri State at Wellsville, Ohio state at Cleveland where it was also a section champion and repeating first and section champion at W. Va. state at Wheeling. Another first by Beardmores at Tri State, making 8 in well reported shows, 6 of them in R.I. sections.

Our ratings, A 86.

L .25 M .20 S .15 Blts (100, \$2.) (1000, \$12.) (pt., \$18.).

470 LANCASTER (Palmer '44) M. Clear, dark, velvety purple, beautifully waved and ruffled. Rates No. 15 in the last Canadian Symposium. Its lack of progress and acclaim is due only to rather poor propagation but finally we have it priced where all may have it.

Our ratings, A 87.

L .15 M .10 Blts (100, \$1.).

471 STAPLEFORD (Whiteley) L. Brilliant medium-deep purple, very spectacularly blotched clear white. Makes very tall, strong spikes holding up to 12 open in full double row placement. It is late and propagation is difficult but we do not know of other purples of this shade. It can make stunning spikes. Supply is limited.

Our ratings, C 83.

L .30 M .20 Blts .03.

570 VELVET DREAM (Salman) (our '50 import release) M. Velvety brownish garnet, a deep shade of violet-red purple. Silvery hair line edging. This is a real giant having 26-28 inch flower heads with 6-7 wide open, flat, round florets on long wiry stems of the Harmau and Mansoor type. Attachment is extraordinary, considering its size. Large bulbs, in an average year, should supply about 18 buds. We got but 15 last year, the "hottest summer on record." Good propagator, making large bulblets that come up fast and strong, all reaching either L or M size for us.

Our first N. W. Ohio (Toledo) and at Binghamton it took our own good spike of New York to beat it, '49.

Test ratings, B 87.

Each L \$1.50 M \$1.00 Blts (units 10, \$1.50) (we paid \$1.50 each, plus duty, etc. for the blts we planted in '49).

LIGHT VIOLET—76 Series

577 BLUE ICE (Butt '45) M. Light oriental blue with some feathering of the color, throat carries a deeper blue mark edged yellow. Florets about 6 inches, lightly creased and a bit ruffled, wide open, mostly single lip with top petal back. 6-8 open on tall, straight spikes. In spite of relatively high cost it is getting to shows and we note 14 firsts including Cleveland and Binghamton, the largest shows on the continent, '48.

Our ratings, A 85.

Each L \$2.00 M \$1.25 S .75 Blts .15 (100, \$10.) (1000, \$60.).

477 RAVEL (K & M) (our '47 import release) E. Medium blue violet, deeper than Blue Ice, with a reddish brown throat mark. Makes tall, straight spikes with large florets of good substance, well placed and spaced. Unlike most blue varieties Ravel is a very healthy grower, an excellent propagator and the spikes stand up. Was grand champion and received First Class Certificate, Haarlem, 7-16-45. We note 9 firsts, one ours at Binghamton, also an "A" rating at W. Virginia Test Gardens and A. M. at London RHS Test Gardens, all '48.

N.A.G.C. reports 15 firsts in '49.

Test ratings, A 84.

L .35 M .25 Blts .04 (100, \$3.).

DEEP VIOLET—78 Series

- 378 ABU HASSAN** (Holland) (our '47 import release) E. Medium size florets of velvety deep violet blue. Unlike Pelegrina, this variety stands erect on strong, slim stems. Seldom beaten now in the shows.
Our ratings, A 86.
L .12 M .10 Blts (100, \$1.).

SMOKY—80 Series

- 586 FLYING FORTRESS** (Wilson-Evans '43) LM (about 93 days). With great consistency, it produces the biggest bulk of flowerhead in our fields. A lavender toned smoky with carmine throat. Florets 6-8 inches, ribbed, 8-13 open on tall, extremely long flowerheads. Award of Merit by Ohio Society. Seven firsts noted, '48. N.A.G.C. notes 7 in '49.

Our rating, B 81.

L .30 M .20 Blts (100, \$2.) (1000, \$12.) (Pint \$20.).

- 582 FRED PARKER** (Both) (our '48 import release) LM. A super giant deep orange smoky, ticked with light yellow stripes. The color has an etched effect. A new color in smokies and has produced 9½ inch florets from field grown stock with no special help. 7 open.
Our rating—The etching holds the color down to 82. A very weak stem holds the over all rating down to C. Each L .40 M .25 S .15 Blts .05.

- 486 GRAY SUMMIT** (Butt) (our 1950 introduction) E. Very clean, smooth gray with equally clean creamy white throat. The only smoky to come within a country mile of its color rating (92) is Tunia's Mahomet (89). Pastel trailing at 84 but well ahead of the others. Grown in good quantity for rating purposes 3 years. Tested in several other locations 2 years. And by the largest acreage cut flower grower in one state 2 years. At excessive temperatures of 105-110 about 1% of the spikes will do some slight crooking. Otherwise, its cut flower habits appear perfect. Very fast propagator, which fact is reflected in our original pricing. Vigorous, healthy plants and bulbs. Good blooms are had from the smaller sizes. 62 inches tall, opens 8 florets 4¾ inches diameter easily, 20-24 buds on 28 inch flowerheads, good cutting stems.
A first at Pa. state (Greenville), '48 and an A rating at Binghamton, '49.
Test ratings, A 92.
Bulbs each, any size (no dozen rate) \$1.00.
Blts (10, \$1.00) (100, \$8.) (1000, \$50.).
Grower units sized to suit, to catalogers, discount 50%.

- 486 PASTEL** (Both) (our '42 import release) L. This is the perfect pastel blend smoky. Rosy, velvety gray, with petals widely edged steel blue. Color is soft, smooth without glitter. 4½-5 inch florets, round petalled, wide open. In the excitement over the larger Tunia's Mahomet, this grand variety should not be overlooked. Few persons expect to find real quality of color in the "smokies," with their gray tones. However, we rate the color quality of Pastel very high.

Our ratings, B 84.

L .25 M .20 S .15 Blts (100, \$1.) (1000, \$6.) (Pint, \$12.).

- 586 TUNIA'S MAHOMET** (Both) (our '43 import release) E. Probably the most popular dark colored variety we have ever marketed. A color description sounds variegated, whereas, in fact, the colors smooth out in extremely dark, velvety fashion. We would call it very deep, velvety, smoky plum rose with orange scarlet in throat. Seven inch florets, 7 open with almost no diminution in size up the stem with relative ease. Habits consistently good everywhere. Two color and one grand championships, Tasmania and N. Z. Award of Merit Ohio Society and First Class Certificate by So. Australian Society.
Our ratings, AA 89.
L .25 M .20 Blts (100, \$2.).

- 582 TUNIA'S WIZARD** (Both '47) (our '48 import release) M. Here it is. "The 12 inch gladiolus." The glad to stop all who behold it—including the judges selecting the grand champion spikes of the shows. Society members, visitors to Mr. Both's fields, found spikes of Tunia's Wizard with blooms full 10½ inches diameter, growing under normal field conditions and without any artificial aid. With show bench treatment, Mr. Both says 12 inch florets are well within its compass. The color is not very far removed from that of Tunia's Mahomet. The throat is lighter and more orange, the scarlet on lip petals more prominent. The size of floret is substantially maintained up the spike to the 8th open floret. All of the florets appear to be of the preferred "inverted" type (single lip, top petal to rear).
Plant growth very powerful. Though having no bulbs over size 4 unsold to plant, we had a spike with 8¾ inch floret for largest floret at Tri State. Largest also at Toledo, '49.
Test ratings, B 84.
Each L \$3.00 M \$2.50 S \$2.00 (no dozen rate) Blts .50.

ANY OTHER COLOR—90

390 PINOCCHIO (Evans '40) very early.

A true novelty gladiolus. Color is a novelty blending of pink, yellow, green, orange and red without any emphatic preponderance. At a distance the yellow, orange and red give it a prevailing orange tone but classifiers decided the 90 series applied. Florets are of heavy texture, $3\frac{1}{4}$ -4 inches, round, 5-7 wide open, intensely ruffled and fluted. Placement is airy on stretchy spikes 50 inches high. Flower-head 24 inches on wiry stem well above the foliage which is short. Good propagator, bulblets run large, most of them bloom. Has won hundreds of awards with more than its share of special awards, section champ, most ruffled and Award of Merit, Ohio Society.

Our ratings, B 84.

L .15 M .10 Blts (100, \$1.).

590 TUNIA'S ATOMIC BURST (Both '46) (our '48 import release) M. Vivid bronzy red with a slight smoky over-

cast on the three inner petals. Some radiant streaks of deeper color at outer edge undoubtedly helped to suggest the name. Makes full double row placement, well faced, stupendous spikes with much bud color, bursting open quickly up to 10 huge florets. It looks destined to top the 590 section as soon as stocks are available. Our ratings, A 84.

Each L \$1.00 M .60 S .40 Blts .10 (100, \$7.) (1000, \$45.).

590 TUNIA'S ELITE (Both) (our '47 import release) EM. Seven inch and larger, giant, round, wide open florets. A bit ruffled. The color is a bronzy orange, edged smoky orange, with prominent throat marking of fiery orange red. The substance is good and the florets are held rigidly on tall, strong stems. Good propagator.

The more we see of this variety the better we like its wonderful autumn coloring and powerful growing habits. Our ratings, A 84.

Each L .50 M .35 S .20 Blts .05 (100, \$3.) (1000, \$20.) (pt., \$35.).



PART OF OUR FRONT YARD

CULTURE

Both the N.E.G.S. and the N.A.G.C. issue Cultural leaflets. Inquire of their secretaries for copies. See page 34.

Increased data in fore part of our Guide Book, together with more new varieties than usual, have all but wiped out the space usually devoted to cultural directions. So, this year we will retain only some pertinent highlights.

Simple as can be. Inexpensive, too. Plant healthy, young bulbs of the large size of varieties currently winning first prizes in the major shows of the world. Soil prepared in the fall with heavy applications of well rotted cow manure and bone meal is excellent. Avoid horse manure in any season. Plant in the sunniest location possible. Preferably in a group planting by themselves. They can be at their best in rows among the vegetables.

Plant large bulbs 5 inches deep, medium bulbs 4, small bulbs 3 and bulb-lets 2. If soil is extremely sandy plant somewhat deeper. If very heavy, somewhat less deep. For best bloom production set bulbs apart in row roughly about 4 times their diameter. Sow bulblets thickly, like peas. Distance between rows as little as will permit of your particular method of cultivating, weeding, etc.

If a heavy application of cow manure (3 to 6 inches deep) and course bone meal (25-30 lbs. to 500 sq. ft.) was applied in the fall and the ground left rough, no more fertilizing need be done the following year or two.

A plump bulb of 1¼ inches diameter has plenty food to start production of a show specimen spike. If the bulb is 2 inches or more in diameter it may have two or more prominent eyes or sprouts, indicating that it will make as many stalks and spikes. Now this one bulb cannot be expected to make two or more spikes of the same show specimen quality it would produce if held to a single eye and spike. If you want to bring renewed youth and vigor to your old jumbo bulbs and beat the other fellow, just disbud the bulb, i.e., gouge out all the eyes except the most prominent one just as you gouged out the little specks of scab or disease, dust with sulphur. We are of opinion that bulbs may be lost by this process only by failure to heal the cut surface sufficiently before planting.

Above all we beg our readers not to put off inspecting the plants for thrips infestation until blooms appear. If they already have a good foothold at that time you may have a very discouraging task on your hands.

We recommend preventive spraying, once every 10 days after plants are up 6 or 8 inches until blooming. In any event, have your insecticide on hand to

use if needed.

The thrips problem is now satisfactorily solved—a great blessing to all concerned.

We are through with NAPHTHALENE FLAKES for gassing bulbs in storage . . . through with TARTAR EMETIC and its necessary "sweets" accompaniment for plant spray . . . through with CORROSIVE SUBLIMATE (bichloride of mercury) bulb soaking as a prerequisite to planting, using it only where a particular batch of bulbs show some definite signs of some disease to be corrected or where bulbs about to be planted show live thrips infestation and an overnight kill of both thrips and eggs must be obtained.

For dusting bulbs in storage. The sooner the better after dug and roots relatively dry. If not dry in a week it is not nearly so important as getting the bulbs dusted promptly to prevent thrips from crawling down the short stem to the crown of the bulb where dust may never penetrate. D. D. T. does not gas them like naphthalene flakes. Use any D. D. T. dry dusting powder 1 to 3 per cent strength is enough . . . over 5 per cent a sheer waste of money and increase of possible human hazard by inhalation.

If you use D. D. T. liquid spray, the wettable powder form is much safer (to you) than the liquid forms offered unless the label on the liquid clearly states that it carries no oil or oil emulsion base. Use either the wettable powder or liquid spray at the formula rate suggested on the label. If several strengths are suggested for various kinds of plants or pests, adopt the strongest formula.

A WORD TO THE WISE

Disappointment can be minimized by leaving to the highly trained gladiolus specialist the experimentation and cash investment necessary to try out all the new offerings of the many hybridizers.

We have no knowledge of the existence of any other gladiolus catalog in the world that even closely approaches so exclusive a list of new material subjected to unbiased, competent testing and found to be of high over-all rating with the inferior new material carefully screened out.

Also, it is well to leave to the federal, state and university entomologists, pathologists and to gladiolus specialists cooperating with them, the determination of best usages for the control of insect pests and bulb and plant diseases. Experimentation by others with poisons, poisonous gases and with insecticides, the component parts of which are not understood by the user, and with unapproved methods of fertilization, usually leads to trouble.

GLADIOLUS SOCIETIES

There are now forty-odd state and regional societies in the U. S. and twenty seven provincial or regional societies affiliated with the Canadian Gladiolus Society. Several each in Australia and New Zealand. National societies in England, Holland, Belgium and Germany. Upon request we will assist you to contact your nearest society.

In the U. S. the **New England Gladiolus Society ("A")** has affiliations with 27 state and regional societies, 3 of them in Canada.

In U. S. is also the **North American Gladiolus Council ("B")** organized in 1945 to assume many functions of a U. S.-Canadian federation, having affiliations with 43 state and provincial societies and two Canadian commercial growers groups.

In Canada the **Canadian Gladiolus Society ("C")** has affiliations with 27 provincial, regional or district societies and with the Ohio and Pennsylvania societies as well.

To conserve space on this page these major societies will be designated A, B, C, respectively.

Affiliated with A, B, and C:—Ohio, Pennsylvania and Vancouver.

Affiliated with A, C:—Calgary, Winnipeg and Victoria.

Affiliated with A, B:—Blue Ridge, East Bay, Empire State, Ill., Iowa, Maine, Mich., Minn., Ohio, Okla., Nebr., Pacific N. W., Tri State, So. Calif., S. W. Va., Utah, Wash., W. Va., Wis., and Yakima Valley, (Wash.).

Affiliated with A only:—Mont., and Verdun (Que.).

Affiliated with B only:—C. G. S., Conn., Del., Dominion Gladiolus Federation of N. Z., E. Liverpool, E. N. Y., Ind., Keystone, N. J., Md., Mo., No. Calif., R. I., S. E. Mich., Texas, W. Mass.

Affiliated with B and C only:—Catawba Valley, Hamilton Dist., Niagara Peninsula, No. Vancouver, Ottawa Dist., Quebec and Saskatoon.

Affiliated with C only:—Edmonton, Fredericton, Guelph, Hawkesbury, Kinderley, Lethbridge, Moncton, Moose Jaw, North Bay, Oshawa, Prince Albert, Regina, Simcoe, Stratford, Thunder Bay, Truro and Wilkie.

Publications: A has 250-page year book and 6 magazines of about 64 pages each. B has 4 Quarterly Bulletins of about 125 pages each. C has 200 page year book especially valuable for its symposium rating of some 800 varieties.

Make up your own combination subscriptions or "memberships". The local society dues are \$1.00 unless otherwise indicated.

To combine A, add \$2.25. To combine with B, add \$1.00. To combine with C, add \$1.00. **All joint or "affiliated" membership dues are payable only to the local society.** Examples: Ind. (\$1.) x B (\$1.) is \$2. or Ill. (\$1.) x A \$2.25) is \$3.25.

British. Annual. 10/6. Address the Hon. Sec'y "Marokko." 165 Lynton Road, Harrow, Middlesex, England.

Canadian. Year Book. \$2.00. Sec'y Mrs. J. A. Carleton, 166 Willow Rd., Guelph, Ontario, Canada.

Empire State. \$1.50, 8 Bulletins. Sec'y Gordon R. McKenny, 44 Canisteo St., Hornell, New York.

Illinois. Quarterlies. Sec'y Ralph E. Kircher, 1419 West Edwards St., Springfield, Ill.

Indiana. Bi-monthly Bulletins. Sec'y Harley R. Ball, 1506 East 80th street, Indianapolis 20, Ind.

Iowa. Irregular Bulletins (4-12) Sec'y Wm. H. Collins, State House, Des Moines, Ia.

Maine. Annual. Sec'y Mrs. George J. Walenta, South China, Maine.

Michigan. \$1.00 This year new members will receive a 64-page booklet, the best current treatise to be had on Gladiolus Diseases, published by Michigan State College. A bargain if interested. Sec'y Howard F. Gross 2579 Parkwood Ave. East Ann Arbor, Michigan.

Minn. \$1.50: 3 Bulletins, 10 issues Minn. Horticulturist, Secretary Henry Elieff, R 4, Wayzata, Minn.

North American Gladiolus Council. Subscription to Quarterly \$1.50. Sec'y A. Bazdorf, Lincoln Park, N. J.

New England. Year Book and 6 Magazines \$3.00. Address Membership Sec'y, Horticultural Hall, Boston 15, Mass.

New Jersey. 4 Bulletins Sec'y W. I. Larson, Box 253, Laurel Springs, N. J.

No. Calif. Monthly Bulletins. Address Sec'y. c/o Sacramento Garden Center, 3301 H. St., Sacramento, Calif.

OHIO. Quarterly Bulletins. With A, \$3.25; With B, \$2.00; With C, \$2.00; With AB, \$4.25; With BC, \$3.00; With AC, \$4.25; With ABC, \$5.25 (a saving of \$2.25). **PAYABLE ONLY THROUGH OHIO SEC'Y W. W. Wood, Rudolph, Ohio.**

Ottawa. Annual. Sec'y A. R. T. Buckley, 592 McLeod St., Ottawa, Ont.

S. E. Mich. Quarterly Bulletins. Sec'y Charles V. Leaman, 5948 Schuman St., Garden City, Mich.

So. California. Monthly Bulletins. Sec'y Fred B. Chase, 11141 Freeman Avenue, Inglewood, California.

Wisconsin. \$1.25. Includes the very fine monthly magazine "Wisconsin Horticulture," Sec'y Mrs. Lenora Piepkorn, Plymouth, Wis.

COLOR CHART

The mounted Fischer Color Chart (108 color blocks) is again available. Send us \$2.00 and we will have one shortly in your hands with printed instructions, postpaid.

FREE BULBS

Here is how. This offer is only to secure new members, not renewals and cuts your membership fee in half, as you will readily see.

To all customers sending in Retail orders of \$7 cash and up. If you will also transmit to us your check or money order made out to any of the above societies, in the full amount for one year new membership fee, we will transmit same to such society and you may add to your order bulbs of your own selection from our catalog (at list prices, no further discounts) to the amount of one-half of such membership fee.

Illustration: A customer sends in \$7, or larger retail order and selects the

Ohio-Canadian affiliation, enclosing \$2.00 made payable to the Ohio society. He selects and adds to his order \$1.00 worth of bulbs (at list prices), without charge. We do the rest.

FREE MEMBERSHIP

To all customers, including foreign, whose purchases at Retail net \$25 or more, provided such customer is not already a member, we will give a paid-up one-year membership in the Canadian Gladiolus Society and the Ohio State Gladiolus Society. Or the \$2.00 mounted Fischer Color Chart.

This page is not a gesture. It has been costing us in the neighborhood of \$300.00 in cash and bulbs for many years.

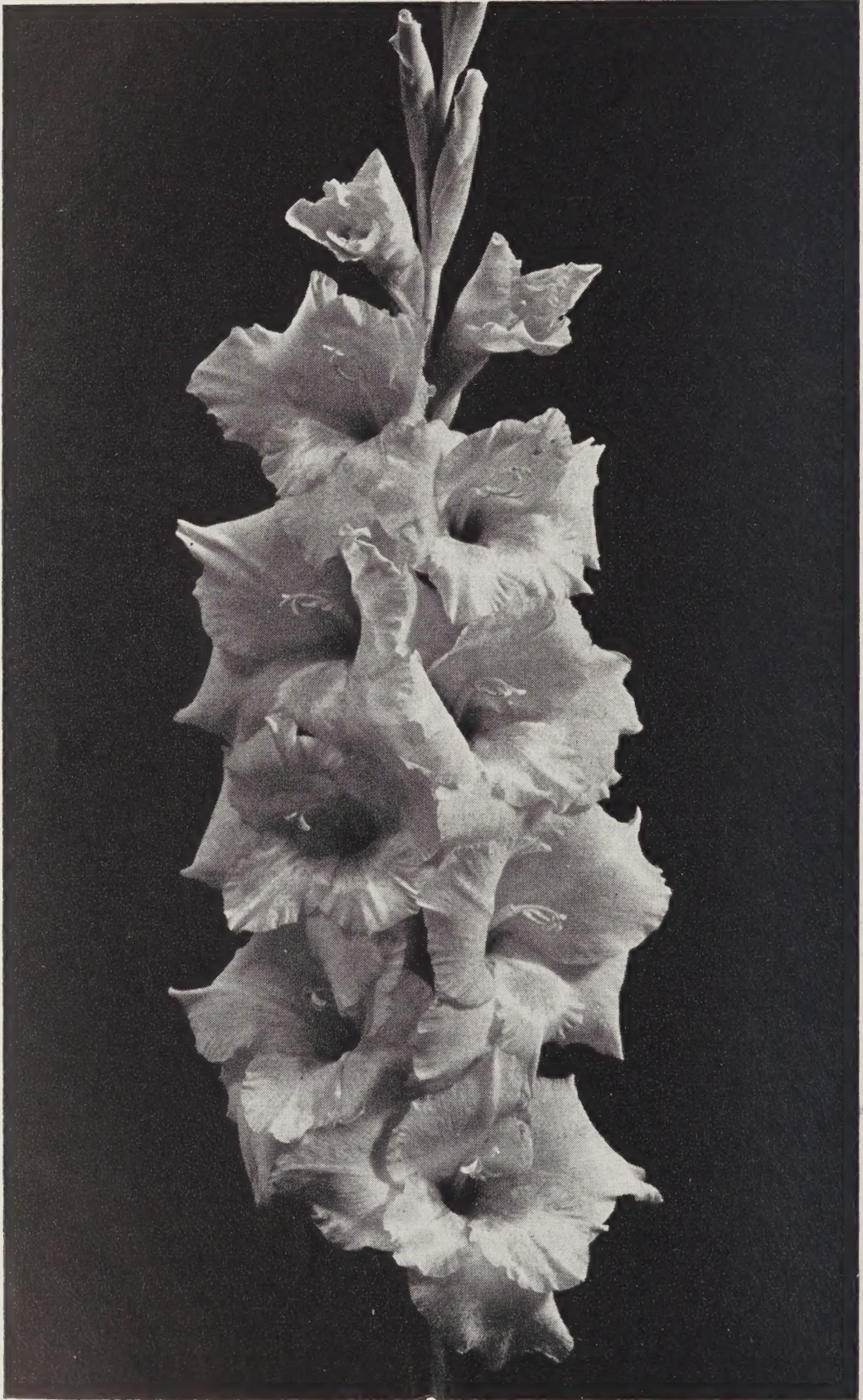
CLASSIFICATION INDEX

A booklet of about 24 pages, indentifying size, color, originator, year first available via U. S. price lists and number of days to bloom. About July 1st send 15 cents to secretary N. A. G. C. for 1950 edition.

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SPITFIRE